Aasta vilistlane Mart Min: sügised aastatel 1992 ja 2020 on üsna sarnasteks osutunud
Min, Mart Mente et Manu 2020 / lk. 60-61 : portr https://dea.digar.ee/cgi-bin/dea?a=is&oid=AKmenteetmanu202011&type=staticpdf

AC measurement converters : analog and digital solutions
Märtens, Olev 2000 http://www.ester.ee/record=b1707866*est

Acceleration data acquisition and processing system for structural health monitoring
Herranen, Henrik; **Kuusik, Alar**; **Saar, Tõnis**; **Reidla, Marko**; **Land, Raul**; **Märtens, Olev**; **Majak, Jüri** 2014 IEEE International Workshop On Metrology For Aerospace : May 29-30, 2014, Benevento, Italy : proceedings 2014 / p. 244-248 : ill

Acoustic forward model for guided wave propagation and scattering in a pipe bend
Rasgado Moreno, Carlos Omar; **Rist, Marek**; **Land, Raul**; **Ratassepp, Madis** Sensors 2022 / art. 486
https://doi.org/10.3390/s22020486 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Acoustic spectrum analysis of genuine and counterfeit euro coins
Gavrijaševa, Alina; **Märtens, Olev**; **Land, Raul** Elektronika ir elektrotechnika = Electronics and electrical engineering 2015 / p. 54-57 : ill https://doi.org/10.5755/j01.eee.21.3.10384 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Active electrodes for measuring the electrical bioimpedance
Metshein, Margus Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 57-60 : ill

Active-passive two-way ranging protocol for positioning systems = Aktiiv-passiivne kauguste mõõtmise protokoll positsioneerimissüsteemidele
Laadung, Taavi 2023 https://doi.org/10.23658/taltech.26/2023 https://digikogu.taltech.ee/et/Item/e9906a57-6c88-4a98-860e-d2c567a3109c https://www.ester.ee/record=b5567510*est

Active-passive two-way ranging using UWB
Laadung, Taavi; Ulp, Sander; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** 2020, 14th International Conference on Signal Processing and Communication Systems, (ICSPCS) December 14-16, 2020 – Virtual Conference : proceedings 2020 https://doi.org/10.1109/ICSPCS50536.2020.9309999

Adaptive algorithm for cardiac period normalization in time
Krivošei, Andrei; **Uuetoa, Hasso**; **Min, Mart**; **Annus, Paul**; Uuetoa, Tiina; Lamp, Jürgen Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 66

Adaptive Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol
Laadung, Taavi; Ulp, Sander; **Fjodorov, Aleksei**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** IEEE Access 2023 / p. 92575-92588 https://doi.org/10.1109/ACCESS.2023.3308696 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Adaptive LINE-P : an adaptive linear energy prediction model for wireless sensor network nodes
Ahmed, Faisal; **Tamberg, Gert**; **Le Moullec, Yannick**; **Annus, Paul** Sensors 2018 / art. 1105, 26 p. : ill
https://doi.org/10.3390/s18041105 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Adaptively undersampled image processing for fast multiline laser detection
Mõlder, Ago; **Märtens, Olev**; **Saar, Tõnis**; **Land, Raul** 2013 IEEE 8th International Symposium on Intelligent Signal Processing (WISP 2013) : proceedings 2013 / p. 60-64 : ill [CD-ROM]

ADCS development for student CubeSat satellites - TalTech case study
Rassõlkin, Anton; **Vaimann, Toomas**; **Org, Peeter**; **Leibak, Alar**; **Gordon, Rauno**; **Priidel, Eiko** Proceedings of the Estonian Academy of Sciences 2021 / p. 268-285 : ill https://doi.org/10.3176/proc.2021.3.06 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

ADS-B in space : decoder implementation and first results from the GATOSS mission
Knudsen, Bjarke Gosvig; Jensen, Morten; Christiansen, Johan; **Le Moullec, Yannick** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 57-60 : ill

Aerial base station assisted cellular communication : performance and trade-off
Sharma, Navuday; Kumar, Atul; **Alam, Muhammad Mahtab**; Jindal, Anish; Imran, Muhammad Ali IEEE Transactions on Network Science and Engineering 2021 / p. 2765-2779 https://doi.org/10.1109/TNSE.2021.3052984 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Algorithms for learning and adaptation over networks - distributed leader selection = Õppimisalgoritmid hajutatud

võrkude tarbeks - juhtsõlme hajus valimine
Ulp, Sander 2019 https://digi.lib.ttu.ee/i/?11635 https://www.ester.ee/record=b5204290*est

Alternatives of measurement of electrical bioimpedance of the body with the aim to determine the cardiac and respiratory activity
Metshein, Margus BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 197-200 : ill

An attempt to separating cardiac and respiratory components from EBI dataset through conventional filtering method
Mughal, Yar M. Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 61-64 : ill

An extended block-adaptive Fourier analyser for analysis and reproduction of periodic components of band-limited discrete-time signals
Ronk, Ants 2002 http://www.ester.ee/record=b1688702*est

An overview about electronic baby monitors used in sleep medicine [Võrguteavik] : data acquisition methods and electronic sensing principles
Kala, Raul; **Min, Mart** 2021 https://www.ester.ee/record=b5406071*est https://digikogu.taltech.ee/et/Item/80428984-68a6-4f6c-94d1-f901b1248618

Analog front end components for bio-impedance measurement : current source design and implementation = Bioimpedantsi mõõteseadme analoogosa komponendid : vooluallika disain ja realisatsioon
Kasemaa, Argo 2011 https://digi.lib.ttu.ee/i/?590

Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Toompuu, Jana** Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 https://doi.org/10.4028/www.scientific.net/MSF.1004.960 Conference proceedings at Scopus Article at Scopus

Analysis of deep level centers in GaAs pin-diode structures
Korolkov, Oleg; **Toompuu, Jana**; **Rang, Toomas** Elektronika ir elektrotechnika = Electronics and electrical engineering 2013 / [4 p.] : ill https://doi.org/10.5755/j01.eee.19.10.5903 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of deep level spectrum in GaAs p+-p-i-n-n+ structures
Toompuu, Jana; **Sleptšuk, Natalja**; **Korolkov, Oleg**; **Rang, Toomas** Materials characterization VII 2015 / p. 283-294 : ill

Analysis of instantaneous cardiac EBI signal variability over the heart cycle(s) : non-linear time-scale approach
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Kõiv, Hip**; Aabloo, Alvo; Uuetoa, Tiina EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 940-943 : ill https://doi.org/10.1007/978-981-10-5122-7_235 Conference proceedings at Scopus Article at Scopus Article at WOS

Analyzing and investigating encrypted traffic for social media application Instagram
Iqbal, Hameed; Ahmad, Rizwan; Ahmed, Waqas; Qazi, Shams; **Alam, Muhammad Mahtab** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. : ill https://doi.org/10.1109/BEC56180.2022.9935603

Analyzing meta-heuristic algorithms for task scheduling in a fog-based IoT application
Rahbari, Dadmehr Algorithms 2022 / art. 397 https://doi.org/10.3390/a15110397 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analytical evaluation of indoor energy harvesting technologies for WSNs with FYPSim framework
Ahmed, Faisal; **Le Moullec, Yannick**; **Annus, Paul**; Mustufa, Y. S. Ashad 2016 International Conference on Industrial Informatics and Computer Systems (CIICS) : March 13-15, 2016, Dubai, UAE 2016 / [6] p. : ill https://doi.org/10.1109/ICCSII.2016.7462423

Antidictionary-based cardiac arrhythmia classification for smart ECG sensors
Duforest, Julien; Larras, Benoit; Frappe, Antoine; Deepu, John Deepu; **Märtens, Olev** 2022 IEEE International Symposium on Circuits and Systems (ISCAS) : proceedings 2022 / p. 414-418 : ill https://doi.org/10.1109/ISCAS48785.2022.9937853 Conference Proceedings at Scopus Article at Scopus Article at WOS

Application of artificial neural networks to model the interaction between T-cells and B-cells and their equivalent impedance of the linearized model
Giannoukos, Georgios; **Min, Mart** Journal of computational methods in sciences and engineering 2015 / p. 295-302 https://doi.org/10.3233/JCM-150544 Journal metrics at Scopus Article at Scopus

Application of power line communication technology in street lighting control
Farkas, Tekla D.; Kiraly, Tamás; **Pardy, Tamas**; **Rang, Toomas**; **Rang, Galina** International journal of design and nature and ecodynamics 2018 / p. 176–186 : ill https://doi.org/10.2495/DNE-V13-N2-176-186 Journal metrics at Scopus Article at Scopus Article at WOS

Applying RIS-based communication for collaborative computing in a swarm of drones
Rahbari, Dadmehr; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** IEEE Access 2023 / p. 70093−70109 https://doi.org/10.1109/ACCESS.2023.3293737 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Approaches for improving VoIP QoS in WMNs
Meeran, Mohammad Tariq; **Annus, Paul**; **Le Moullec, Yannick** 2017 International Conference on Electrical Engineering and Computer Science (ICECOS 2017) : Palembang, Indonesia, 22-23 August 2017 2017 / p. 22-27 : ill https://doi.org/10.1109/ICECOS.2017.8167138

Architectural design space exploration of an FPGA-based compressed sampling engine : application to wireless heart-rate monitoring
El-Sayed, Mohammad; Koch, Peter; **Le Moullec, Yannick** 2015 Nordic Circuits and Systems Conference (NORCAS) : NORCHIP & International Symposium on System-on-Chip (SoC) : 1st IEEE NORCAS Conference : 26-28 October 2015, Oslo, Norway 2015 / [5] p. : ill http://dx.doi.org/10.1109/NORCHIP.2015.7364369

Area efficient design and implementation of a novel divider circuit block = Uudne efektiivne jagamistehte riistvaraline realisatsioon
Patankar, Udayan Sunil 2025 https://www.ester.ee/record=b5746970*est https://digikogu.taltech.ee/et/Item/bada7a0d-f54f-48bb-844d-37e23ad8d029 https://doi.org/10.23658/taltech.29/2025

Area efficient hexadecimal divider circuit implementation based on USP-awadhoot division algorithm
Patankar, Udayan Sunil; **Koel, Ants**; Patankar, Sunil M.; Flores, Miguel E. IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC) 2021 / p. 1-8 https://doi.org/10.1109/ICE/ITMC52061.2021.9570263

Assessment of the proportion of anthropogenic underwater noise levels in passiveacoustic monitoring
Mustonen, Mirko; **Klauson, Aleksander**; **Berdnikova, Julia**; **Tommingas, Mihkel** Proceedings of Meetings on Acoustics 2018 / art. 070003, 10 p.: ill https://doi.org/10.1121/2.0000939

At-speed self-testing of high-performance pipe-lined processing architectures [Electronic resource]
Gorev, Maksim; **Ubar, Raimund-Johannes**; **Ellervee, Peeter**; **Devadze, Sergei**; **Raik, Jaan**; **Min, Mart** 31st Norchip Conference : Vilnius, Lithuania, 11-12 November 2013 : conference program and papers 2013 / p. 1-6 : ill [USB]

Automatic detection of multisize pulmonary nodules in CT images : large-scale validation of the false-positive reduction step
Gupta, Anindya; Saar, Tõnis; **Märtens, Olev**; **Le Moullec, Yannick** Medical physics 2018 / p. 1135-1149 : ill https://doi.org/10.1002/mp.12746 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel
Annus, Paul; **Priidel, Eiko**; **Land, Raul**; **Metshein, Margus**; **Krivošei, Andrei**; **Min, Mart**; **Ratassepp, Madis**; **Märtens, Olev** 8th European Medical and Biological Engineering Conference : Proceedings of the EMBEC 2020, November 29 - December 3, 2020 Portorož, Slovenia 2021 / p. 151-157 https://doi.org/10.1007/978-3-030-64610-3_18 Conference Proceedings at Scopus Article at Scopus

Automatic NLOS classification from virtual 3D city models
Müürsepp, Ivo; **Alam, Muhammad Mahtab** 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 190-195 https://doi.org/10.1109/FMEC59375.2023.10306158

Autonomous wireless sensor networks : implementation of transient computing and energy prediction for improved node performance and link quality
Ahmed, Faisal; Kervadec, Corentin; **Le Moullec, Yannick**; **Tamberg, Gert**; **Annus, Paul** The Computer Journal 2019 / p. 820 - 837 https://doi.org/10.1093/comjnl/bxy101 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Availability and variations of cardiac activity in the case of measuring the bioimpedance of wrist
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Min, Mart**; Aabloo, Alvo 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 5 p. : ill https://doi.org/10.1109/I2MTC.2018.8409684

BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia
2012 http://www.ester.ee/record=b2150914*est

BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics

Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia
Rang, Toomas 2014 http://www.ester.ee/record=b2150914*est

BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia
Rang, Toomas 2016 http://www.ester.ee/record=b2150914*est

Beyond 5G/6G EMF considerations
Benn, Andrew; Fellan, Amina; Kosmatos, Evangelos; Mohr, Werner; **Roosipuu, Priit**; Verrios, Panayiotis 2023
https://doi.org/10.5281/zenodo.8099834

Beyond 5G/6G KPIs and target values : Version 1.0-June 2022
Nielsen, Lars; Gavras, Anastasius; Dieudonne, Michael; Mesogiti, Ioanna; **Roosipuu, Priit**; Houatra, Drissa; Kosmatos, Evangelos 2022 https://doi.org/10.5281/zenodo.6577506

Bioimpedance and spectroscopy
2021 https://doi.org/10.1016/C2018-0-04440-0

Bioimpedance sensing - a viable alternative for tonometry in non-invasive assessment of central aortic pressure
Min, Mart; **Annus, Paul**; **Kõiv, Hip**; **Krivošei, Andrei**; Uuetoa, Tiina; Lamp, Jürgen 2017 IEEE International Symposium on Medical Measurements and Applications (MeMeA) : May 7-10, 2017, Rochester, MN, USA : proceedings papers 2017 / p. 373-378 : ill
https://doi.org/10.1109/MeMeA.2017.7985905

Bioimpedance sensors : instrumentation, models, and applications
Naranjo-Hernández, David; Reina-Tosina, Javier; Buendiá, Rubén; **Min, Mart** Journal of Sensors 2019 / art. 5078209
https://doi.org/10.1155/2019/5078209 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A bio-impedance signal simulator (BISS) for research and training purposes
Muhammad, Yar; **Le Moullec, Yannick**; **Annus, Paul**; **Krivošei, Andrei** 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill https://doi.org/10.1109/ISSC.2015.7163746

Bioimpedance spectro-tomography system using binary multifrequency excitation [Online resource]
Min, Mart; Lehti-Polojärvi, M.; Hyttinen, Jari; **Rist, Marek**; **Land, Raul**; **Annus, Paul** International journal of bioelectromagnetism Proceedings of the 11th International Conference on Bioelectromagnetism : 23-25 May 2018, Aachen, Germany 2018 / p. 76-79 : ill
http://www.ijbem.org/ https://publications.rwth-aachen.de/record/723893/files/723893.pdf

Biopsy needle including bioimpedance probe with optimized sensitivity distribution
Halonen, Sanna; Kari, Juho; Ahonen, Petri; Elomaa, Timo; **Annus, Paul**; Kronström, Kai International journal of bioelectromagnetism 2015 / p. 26-30 : ill

Biopsy needle including bioimpedance probe with optimized sensitivity distribution
Mäki, Sanna; Kari, Juho; Ahonen, Petri; Elomaa, Timo; **Annus, Paul**; Kronström, Kai The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Biosensing technologies for the detection of pathogens : a prospective way for rapid analysis
2018 https://doi.org/10.5772/intechopen.69579

Biosensors for environmental monitoring
2019 https://doi.org/10.5772/intechopen.73763

Body Area Networks. Smart IoT and Big Data for Intelligent Health : 15th EAI International Conference, BODYNETS 2020, Tallinn, Estonia, October 21, 2020 : proceedings
2020 https://doi.org/10.1007/978-3-030-64991-3

Body fat proportion estimation by the segmental bioelectrical impedance analysis of forearm
Metshein, Margus; Tuulik, Varje-Riin; Tuulik, Viiu; **Min, Mart**; Kumm, Monika; **Annus, Paul**; **Märtens, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024 / 5 p
https://doi.org/10.1109/I2MTC60896.2024.10560671

Body-to-Body communication : applications, system design aspects and performance evaluation
Khan, Rida; **Alam, Muhammad Mahtab** The 12th International Symposium on Medical Information and Communication Technology : ISMICT 2018, 26-28 March 2018, University of Technology Sydney 2018 / 2 p. : ill http://ismict2018.org/images/Docs-2017/ISMICT-2018-Program---Final.pdf http://dx.doi.org/10.1109/ISMICT.2018.8573721

Bridging the gap between technology and usability for portable brain trauma scanning device
Priidel, Eiko; Mikola, Annika; **Gordon, Rauno**; **Martsepp, Maret**; **Kenkre, Pranay**; **Taros, Taavi**; **Pärenson, Taavet** The 10th

International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Bridging the gap between technology and usability for portable brain trauma scanning device
Priidel, Eiko; Mikola, Annika; **Gordon, Rauno**; **Martsepp, Maret**; **Kenkre, Pranay**; **Taros, Taavi**; **Pärenson, Taavet** International journal of bioelectromagnetism 2015 / p. 87-89 : ill

Broadband discrete-level excitations for improved extraction of information in bioimpedance measurements
Min, Mart; **Paavle, Toivo** Physiological measurement 2014 / p. 997-1010 : ill https://doi.org/10.1088/0967-3334/35/6/997 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article of WOS

Budded baculoviruses as a receptor display system to quantify ligand binding with TIRF microscopy
Laasfeld, Tõnis; **Ehrminger, Robin**; Tahk, Maris-Johanna; Veiksina, Santa; Kõlvart, Karl Rene; **Min, Mart**; Kopanchuk, Sergei; Rinken, Ago Nanoscale 2021 / p. 2436 - 2447 https://doi.org/10.1039/d0nr06737g Journal metrics at Scopus Article at Scopus journal metrics at WOS Article at WOS

A cache-based approach toward improved scheduling in fog computing
Khan, Osama Amir; Malik, Saif Ur Rehman; Baig, Faizan M.; Islam, Saif Ul; Pervaiz, Haris; **Malik, Hassan**; Ahmed, Syed Hassan Software - Practice and Experience 2021 / p. 2360 - 2372 https://doi.org/10.1002/spe.2824 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Can 3D printing bring droplet microfluidics to every lab? - A systematic review
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** Micromachines 2021 / art. 339 https://doi.org/10.3390/mi12030339 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CAP waveform estimation from the measured electrical bioimpedance values : patient's heart rate variability analysis
Krivošei, Andrei; **Uuetoa, Hasso**; **Min, Mart**; **Annus, Paul**; Uuetoa, Tiina; Lamp, Jürgen Conference proceedings : 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : Milan, Italy, August 25-29 2015 2015 / p. 2788-2791 : ill https://doi.org/10.1109/EMBC.2015.7318970 Conference Proceedings at Scopus Article at Scopus Article at WOS

Capacitance measurement with MSP430 microcontrollers
Märtens, Olev; **Pille, Siim**; **Reidla, Marko** EDERC2014 : proceedings of the 6th European Embedded Design in Education and Research Conference, 11-12 September 2014, Milan, Italy 2014 / p. 260-263 : ill

CapsNet on embedded devices in a data scarce scenario
Ezechukwu, Dismas Ndubuis; **Le Moullec, Yannick** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l. https://doi.org/10.1109/BEC56180.2022.9935600

Cardiac pacing and monitoring : new methods, modern devices
2019 /intechopen.73811

Cardiac rhythm management - pacing, ablation, devices
2022 https://doi.org/10.5772/intechopen.95171

Case study of non-linear PV inverter devices attached to the LV distribution network
Vinnal, Toomas; **Puusepp, Hardi**; **Shabbir, Noman**; **Kütt, Lauri**; **Iqbal, Muhammad Naveed** Agronomy research 2020 / p. 2639−2652 : ill https://doi.org/10.15159/AR.20.233 https://dspace.emu.ee/xmlui/handle/10492/5955 Journal metrics at Scopus Article at Scopus

Cell coverage analysis of a low altitude aerial base station in wind perturbations
Sharma, Navuday; Sharma, Vishal; Magarini, Maurizio; Pervaiz, Haris; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** 2019 IEEE Globecom Workshops (GC Wkshps) : Proceedings 2019 / 6 p https://doi.org/10.1109/GCWkshps45667.2019.9024665

Challenges and Applications of Impedance-Based Biosensors in Water Analysis
Kivirand, Kairi; **Min, Mart**; Rinken, Toonika Biosensors for environmental monitoring 2019 https://doi.org/10.5772/intechopen.89334

Change in the parameters of electron-irradiated 4H-SIC Schottky diodes as a function of the time during low-temperature isothermal annealing
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptsuk, Natalja**; **Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 734-737 https://doi.org/10.4028/www.scientific.net/MSF.963.734 Conference proceeding at Scopus Article at Scopus

Channel characterization at 2.4 GHz for aerial base station
Sharma, Navuday; Magarini, Maurizio; Reggiani, Luca; **Alam, Muhammad Mahtab** Procedia computer science 2019 / p. 1092-1099 https://doi.org/10.1016/j.procs.2019.04.155 Conference proceeding at Scopus Article at Scopus Article at WOS

Channel prediction based enhanced throughput and channel aware MAC in SmartBAN standard
Khan, Rida; **Alam, Muhammad Mahtab**; **Kuusik, Alar** 2019 16th International Symposium on Wireless Communication Systems (ISWCS) 2019 / p. 463-468 : ill https://doi.org/10.1109/ISWCS.2019.8877244

Characterization of deep level traps in semiconductor structures using numerical experiments
Koel, Ants; **Rang, Toomas**; **Rang, Galina** Materials characterization VII 2015 / p. 253-261 : ill

Characterization of Interfaces Between the Metal Film and Silicon Carbide Semiconductor = Metallkontakti ja ränikarbiidi vahelise liidespinna karakteriseerimine
Ziko, Mehadi Hasan 2021 https://digikogu.taltech.ee/et/Item/34be534c-63e8-4013-b271-eaf1a7cb22e7 https://www.ester.ee/record=b5471196*est https://doi.org/10.23658/taltech.52/2021

Characterization of silicon carbide (SiC) and graphene-based novel semiconductor devices = Ränikarbiidil (SiC) ja grafeenil põhinevate uudsete pooljuhtstruktuuride karakteriseerimine
Rashid, Muhammad Haroon 2021 https://www.ester.ee/record=b5397240*est https://digikogu.taltech.ee/et/Item/a64fd50e-125c-49ad-b0a6-6ad2e01b8bfa https://doi.org/10.23658/taltech.6/2021

Characterization of the temperature dependent behavior of snappy phenomenon by the switching-off of GaAs power diode structures
Koel, Ants; **Rang, Toomas**; **Rang, Galina** Heat transfer XIII : simulation and experiments in heat and mass transfer 2014 / p. 439-449 : ill https://doi.org/10.2495/HT140381 Conference proceedings at Scopus Article at Scopus

Characterizing the biofunctionalization of gold surface with total internal reflection fluorescence (TIRF) microscopy
Ehrminger, Robin Benjamin; Kopantšuk, Sergei; **Kivirand, Kairi**; **Min, Mart** Proceedings of the Estonian Academy of Sciences 2020 / p. 27-34 : ill https://doi.org/10.3176/proc.2020.1.02 http://www.kirj.ee/33001/?tpl=1061&c_tpl=1064 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chemical heating for non-instrumented nucleic acid amplification on lab-on-a-chip devices
Pardy, Tamas Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 95-98 : ill

Chirp signals in impedance spectroscopy
Min, Mart; **Märtens, Olev**; **Land, Raul** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 72

Chirp-based piezo-impedance measurement
Saar, Tõnis; **Reidla, Marko**; **Märtens, Olev**; **Land, Raul**; **Min, Mart**; **Herranen, Henrik** Proceedings : WISP'2013, 8th IEEE International Symposium on Intelligent Signal Processing 2013 / [4] p. : ill https://ieeexplore.ieee.org/document/6657487

Classification and denoising of objects in TEM and CT images using deep neural networks = Objektide klassifitseerimine ja müratustamine TEM ja KT kujutistelt sügavate närvivõrkude abil
Gupta, Anindya 2018 https://digi.lib.ttu.ee/i/?9954 https://www.ester.ee/record=b5056535*est

Classification of cross-sections for vascular skeleton extraction using convolutional neural networks
Lidayová, Kristína; **Gupta, Anindya**; Frimmel, Hans; Sintorn, Ida-Maria; Bengtsson, Ewert; Smedby, Örjan Medical Image : Understanding and Analysis, 21st Annual Conference, MIUA 2017 Edinburgh, UK, July 11–13, 2017 : Proceedings 2017 / p. 182-194 https://doi.org/10.1007/978-3-319-60964-5_16 Conference proceedings at Scopus Article at Scopus Article at WOS

Closed-loop droplet size control in microfluidics = Suletud ahelaga tilkade suuruse juhtimine mikrofluidikas
Gyimah, Nafisat 2024 https://digikogu.taltech.ee/et/Item/c4a0c9de-83e5-41ff-bdcf-24ba61182d1f https://www.ester.ee/record=b5698980*est https://doi.org/10.23658/taltech.47/2024

Co-design of a wireless networked control system for reliability and resource-efficiency
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 7 p https://doi.org/10.1109/BEC61458.2024.10737965 Conference proceedings at Scopus Article at Scopus Article at WOS

Co-design of wireless networked control systems : a reliable and resource-efficient approach
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** techrxiv.org 2024 / 9 p. : ill https://www.techrxiv.org/users/693853/articles/683291-co-design-of-wireless-networked-control-systems-a-reliable-and-resource-efficient-approach

Co-design of wireless networked control systems : model-based architecture and joint optimization = Juhtmevabade võrgustatud juhtimissüsteemide koosdisain : mudelipõhine arhitektuur ja ühisoptimeerimine
Ashraf, Kanwal 2024 https://www.ester.ee/record=b5685529*est https://doi.org/10.23658/taltech.30/2024 https://digikogu.taltech.ee/et/Item/b8d1b3cd-0149-442a-8044-ba7d1106c081

CogniFlow: integrated modular system for automated droplet microfluidic bioanalysis
Jõemaa, Rauno; **Afrin, Fariha**; **Gyimah, Nafisat**; Ashraf, Kanwal; **Pärnamets, Kaiser**; Giese, Lucas; Rocancourt, Mathieu; **Pardy, Tamas** EUROSENSORS XXXVI : abstract book 2024 / PT6.188, p. 453-454 https://doi.org/10.5162/EUROSENSORSXXXVI/PT6.188

Cogniflow-drop : integrated modular system for automated generation of droplets in microfluidic applications
Jõemaa, Rauno; **Gyimah, Nafisat**; **Ashraf, Kanwal**; **Pärnamets, Kaiser**; **Zaft, Alexander**; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** IEEE Access 2023 / p. 104905-104929 https://doi.org/10.1109/ACCESS.2023.3316726 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Coin recognition using line scan camera
Gavrijaševa, Alina; **Märtens, Olev**; **Land, Raul**; **Reidla, Marko** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 161-164 : ill

Coin validation by electromagnetic, acoustic and visual features = Mündi valideerimine elektromagnetiliste, akustiliste ja visuaalsete tunnuste järgi
Gavrijaševa, Alina 2015 https://digi.lib.ttu.ee/i/?2408 https://www.ester.ee/record=b4480613*est

Communication challenges in on-body and body-to-body wearable wireless networks - a connectivity perspective
Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Hamida, Elyes Ben Technologies 2017 / art. 43, p.1-18 : ill https://doi.org/10.3390/technologies5030043 Journal metrics at Scopus Article at Scopus

Compact empirical model for droplet generation in a Lab-on-Chip cytometry system
Pärnamets, Kaiser; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Gyimah, Nafisat**; **Rang, Toomas** IEEE Access 2022 / p. 127708-127717 https://doi.org/10.1109/ACCESS.2022.3226623 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Compact multichannel device for differential impedance spectroscopy of microfluidic sensors [Online resource]
Ojarand, Jaan; **Ehrminger, Robin Benjamin**; **Min, Mart**; **Koel, Ants** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill http://doi.org/10.1109/BEC.2018.8600955

Compact smart home systems : design and verification of cost effective hardware solutions
Kuusik, Alar 2001 http://www.ester.ee/record=b1578112*est

Comparative characteristics of diffusion-welded high-voltage stacks and connected in series Schottky diodes
Sleptšuk, Natalja; **Korolkov, Oleg**; **Land, Raul**; **Toompuu, Jana**; **Annus, Paul**; **Rang, Toomas** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 39-42 : ill http://www.ester.ee/record=b2150914*est

Comparative investigation of the graphene-on-silicon carbide and CVD graphene as a basis for biosensor application
Sleptšuk, Natalja; Lebedev, Alexander A.; Eliseyev, Ilya; **Korolkov, Oleg**; **Toompuu, Jana**; **Land, Raul**; **Mikli, Valdek**; Zubov, Alexander; **Rang, Toomas** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 185-190 : ill https://www.ester.ee/record=b5235278*est https://www.scientific.net/KEM.799.185 https://doi.org/10.4028/www.scientific.net/KEM.799.185 Conference proceeding at Scopus Article at Scopus

Comparative measurement of cardiac cycle by means of different sensors
Priidel, Eiko; **Land, Raul**; **Sinivee, Veljo**; **Annus, Paul**; **Min, Mart** 2017 Electronics : proceedings of the 21st International Conference : June 19th-21st, 2017, Palanga, Lithuania 2017 / [5] p. : ill https://doi.org/10.1109/ELECTRONICS.2017.7995221

Comparative results of low temperature annealing of lightly doped n-layers of silicon carbide irradiated by protons and electrons
Kozlovski, Vitali V.; **Korolkov, Oleg**; Lebedev, Alexander A.; **Toompuu, Jana**; **Sleptsuk, Natalja** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 2020 / p. 231-236 https://doi.org/10.4028/www.scientific.net/MSF.1004.231 Conference Proceedings at Scopus Article at Scopus

Comparison of eddy current theory and Finite Element Method for metal evaluation
Gordon, Rauno; **Märtens, Olev**; Kolyshkin, Andrei Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 3 2012 / p. 41-45 : ill

Comparison of excitation signals and methods for a wideband bioimpedance measurement
Ojarand, Jaan; **Rist, Marek**; **Min, Mart** I2MTC 2016 : 2016 IEEE International Instrumentation and Measurement Technology Conference : May 23-26, 2016, Taipei International Convention Center, Taipei, Taiwan : proceedings 2016 / p. 1291-1296 : ill

https://doi.org/10.1109/I2MTC.2016.7520555 Conference Proceedings at Scopus Article at Scopus Article at WOS

Comparison of the carbon nanofiber-/fiber- and silicone-based electrodes for bioimpedance measurements
Kõiv, Hip; **Pesti, Ksenija**; **Min, Mart**; **Land, Raul**; Must, Indrek IEEE transactions on instrumentation and measurement 2020 / p. 1455-1463 https://doi.org/10.1109/TIM.2019.2962297 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Complex division by Baudhayan triplet algorithm using novel state of the art USP-awadhoot divider
Patankar, Udayan Sunil; **Koel, Ants**; Patankar, Sunil M.; Flores, Miguel E. IEEE 4th Advanced Information Management, Communicates, Electronic and Automation Control Conference (IMCEC) 2021 / p. 1918-1922
https://doi.org/10.1109/IMCEC51613.2021.9482010

A comprehensive survey on revolutionizing connectivity through artificial intelligence-enabled digital twin network in 6G
Sheraz, Muhammad; Chuah, Teong Chee; Lee, Ying Loong; **Alam, Muhammad Mahtab**; Al-Habashna, Ala'a; Han, Zhu IEEE Access 2024 / p. 49184-49215 https://doi.org/10.1109/ACCESS.2024.3384272

A configurable radio jamming prototype for physical layer attacks against malicious unmanned aerial vehicles
Caforio, Giulio; Scazzoli, Davide; Reggiani, Luca; Magarini, Maurizio; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill
https://doi.org/10.1109/BEC49624.2020.9277253

Controllable limiter of signal amplitudes for bioimpedance measurements
Ojarand, Jaan; **Min, Mart** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 920-923 : ill https://doi.org/10.1007/978-981-10-5122-7_230 Conference proceedindgs at Scopus Article at Scopus Article at WOS

Convolutional neural networks for false positive reduction of automatically detected cilia in low magnification TEM images
Gupta, Anindya; Suveer, Amit; Lindblad, Joakim; Dragomir, Anca; Sintorn, Ida-Maria; Sladoje, Nataša Image Analysis, 20th Scandinavian Conference, SCIA 2017, Tromsø, Norway, June 12–14, 2017 : proceedings, Part I 2017 / p. 407-418 : ill
https://doi.org/10.1007/978-3-319-59126-1_34 Conference proceedings at Scopus Article at Scopus Article at WOS

Cooperative interference avoidance scheduler for radio resource management in NB-IoT systems
Mwakwata, Collins Burton; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Malik, Hassan**; **Pärand, Sven** EuCNC 2020: 2020 European Conference on Networks and Communications (EuCNC), Dubrovnik, Croatia, Croatia, 15-18 June 2020 : proceedings 2020 / p. 154-159 https://doi.org/10.1109/EuCNC48522.2020.9200967

Cooperative scheduler to enhance massive connectivity in 5G and beyond by minimizing interference in OMA and NOMA
Mwakwata, Collins Burton; **Elgarhy, Osama Mohamed Mostafa**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Pärand, Sven; Trichias, Konstantinos; Ramantas, Kostas IEEE Systems Journal 2022 / p. 5044-5055
https://doi.org/10.1109/JSYST.2021.3114338 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Correlation between electrical bioimpedance and pressure waveform in radial artery and in mechanical pulsating pipe system
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Rist, Marek**; **Min, Mart**; **Märtens, Olev** 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), May 25-29, 2020, Dubrovnik, Croatia : proceedings 2020
https://doi.org/10.1109/I2MTC43012.2020.9128972

Cost-efficient network planning for the cross-border Baltic corridor—a study
Elgarhy, Osama Mohamed Mostafa; **Alam, Mohammad Saad**; **Tammets, Anet**; **Roosipuu, Priit**; Ancans, Guntis; Saidans, Guntars; Tutovs, Jurijs; Saliņš, Klavs; Verdiņš, A.; Aleksandrovs, M.; Perševics, A.; Zariņš, D.; Uusmaa, Mart; Uhtlik, Ove; Soom, Priit Sensors 2023 / art. 8111 https://doi.org/10.3390/s23198111 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Coupling and electrodes
Metshein, Margus Bioimpedance and Spectroscopy 2021 / p. 3-50 : ill https://doi.org/10.1016/B978-0-12-818614-5.00010-2
https://ebookcentral.proquest.com/lib/tuee/reader.action?docID=6644985&ppg=48

Coverage analysis of NB-IoT and sigfox : two Estonian University campuses as a case study
Poddar, Nishant; Mass, Jakob; **Khan, Sikandar Muhammad Zulqarnain** 2020 16th International Wireless Communications & Mobile Computing Conference (IWCMC) : Limassol, Cyprus, June 15 - 19, 2020 2020 / p. 1491-1497 : ill
https://doi.org/10.1109/IWCMC48107.2020.9148570

Crest factor optimization of the multisine waveform for bioimpedance spectroscopy
Ojarand, Jaan; **Min, Mart**; **Annus, Paul** Physiological measurement 2014 / p. 1019-1033 : ill https://doi.org/10.1088/0967-3334/35/6/1019 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

CROW2 : Internet of humans-based platform for disaster relief and emergency communication
Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; Attia, Rabah; Ben Hamida, Elyes; Kadri, Abdullah 14th IEEE Annual Consumer Communications & Networking Conference, CCNC 2017 : Las Vegas, NV, USA, January 8-11, 2017 2017 / p. 578-579 : ill https://doi.org/10.1109/CCNC.2017.7983174

Current sensing methods for portable power circuits : working out an accurate flexible integrated solution
Mihhailov, Juri 2013 https://www.ester.ee/record=b4533635*est

DAAG-SNP: energy efficient distance and angulation based agglomerative clustering for sink node placement
Hanif, Maria; Ahmad, Rizwan; Ahmed, Waqas; Drieberg, Micheal; **Alam, Muhammad Mahtab** IEEE Open Journal of the Communications Society 2024 / p. 5013-5026 https://doi.org/10.1109/OJCOMS.2024.3421901

DASIP 2016 : [special issue]
2017 https://www.sciencedirect.com/journal/journal-of-systems-architecture/special-issue/10N2RZ46VP0

Decentralized distributed data structure for bioanalytical laboratory setups
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas** 8th ACM Celebration of Women in Computing : womENcourage 2021, 22-24 September, 2021, Czech Republic 2021 / 2 p. : ill https://womencourage.acm.org/2021/wp-content/uploads/2021/07/59_extendedabstract.pdf

Decentralized distributed data structure for bioanalytical laboratory setups : [poster]
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas** 2021 / 1 p. : ill https://womencourage.acm.org/2021/wp-content/uploads/2021/07/59_poster.pdf

Decomposing of cardiac and respiratory signals from electrical bio-impedance data using filtering method
Mughal, Yar M. The International Conference on Health Informatics : ICHI 2013, Vilamoura, Portugal on 7-9 November, 2013 2014 / p. 252-255 : ill https://doi.org/10.1007/978-3-319-03005-0_64 Conference proceedings at Scopus Article at Scopus

Decomposition of the EBI signal into components using two channel cross-compensating singular spectrum analysis
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Butsenko, Maksim** 2018 IEEE International Symposium on Medical Measurements and Applications (MeMeA 2018) : proceedings : Rome, Italy, June 11-13, 2018 2018 / 5 p. : ill

A deep learning approach for LoS/NLoS identification via PRACH in UAV-assisted public safety networks
Scazzoli, Davide; Magarini, Maurizio; Reggiani, Luca; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** 2020 IEEE 31st Annual International Symposium on Personal, Indoor and Mobile Radio Communications, August 31 - September 3, 2020 in London, United Kingdom : proceedings 2020 / 6 p https://doi.org/10.1109/PIMRC48278.2020.9217127

Deep reinforcement learning-based digital twin for droplet microfluidics control
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** Physics of Fluids 2023 / art. 082020 https://doi.org/10.1063/5.0159981 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Deep-learning based blood cells classification and initial edge device implementation
Islam, Md. Raisul; **Le Moullec, Yannick**; **Afrin, Fariha**; Ahmed, Faisal 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. : ill https://doi.org/10.1109/BEC56180.2022.9935610

Degradation of 600-V 4H-SiC Schottky diodes under irradiation with 0.9 MeV electrons
Lebedev, Alexander A.; Davidovskaja, Klavdia; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 447-450 : ill https://doi.org/10.4028/www.scientific.net/MSF.897.447 Conference proceedings at Scopus Article at Scopus

Degragation of 600-V 4H-SiC Schottky diodes under irradation with 0,9 MeV electrons
Lebedev, Alexander A.; Davydovskaja, K. S.; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Toompuu, Jana** 11th European Conference on Silicon Carbide and Related Materials : September 25-29, 2016, Porto Carras Grand Resort, Halkidiki, Greece : [poster session] 2016 / p. 49

Dependence of the carrier removal rate in 4H-SIC PN structures on irradiation temperature
Lebedev, Alexander A.; Davydovskaya, Klavdya S.; Kozlovski, Vitali V.; **Korolkov, Oleg**; **Sleptsuk, Natalja**; **Toompuu, Jana** Silicon Carbide and Related Materials 2018 : 12th European Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 730-733 https://doi.org/10.4028/www.scientific.net/MSF.963.730 Conference proceeding at Scopus Article at Scopus

Derivation of Bioimpedance Model Data Utilizing a Compact Analyzer and Two Capacitive Electrodes : A Forearm Example
Ojarand, Jaan; **Priidel, Eiko**; **Min, Mart** IEEE Transactions on Biomedical Circuits and Systems 2022 / p. 891-901

https://doi.org/10.1109/TBCAS.2022.3206666 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design and manufacturing of composite laminates with structural health monitoring capabilities
Herranen, Henrik; **Majak, Jüri**; **Tšukrejev, Pavel**; **Karjust, Kristo**; **Märtens, Olev** Procedia CIRP 2018 / p. 647-652 : ill https://doi.org/10.1016/j.procir.2018.03.128 Conference Proceedings at Scopus Article at Scopus Article at WOS

Design and optimization of AlN based RF MEMS switches
Ziko, Mehadi Hasan; **Koel, Ants** IOP conference series : materials science and engineering 2018 / 012002 ; 9 p.: ill https://doi.org/10.1088/1757-899X/362/1/012002 Conference proceedings at Scopus Article at Scopus Article at WOS

Design of Cyber Bio-analytical Physical Systems : formal methods, architectures, and multi-system interaction strategies
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** Microprocessors and microsystems 2023 / art. 104780, 14 p. : ill https://doi.org/10.1016/j.micpro.2023.104780 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Design of two stage high efficiency power amplifier in 0.13um technology for 2.4 GHz ISM band applications
Patankar, Udayan Sunil; **Koel, Ants**; **Rang, Toomas** Journal of Advanced Research in Dynamical and Control Systems 2018 / p. 822–829 http://www.jardcs.org/backissues/abstract.php?archiveid=3585

Detection of changes in tissue state with the aid of electromagnetic interaction = Koe seisundi muutuste detekteerimine elektromagnetilise vastastikmõju abil
Priidel, Eiko 2022 https://doi.org/10.23658/taltech.51/2022 https://digikogu.taltech.ee/et/Item/c0a10f6b-6b53-45d9-a031-7e5c409946d2 https://www.ester.ee/record=b5511742*est

Detection of cracks in a sawblade by eddy current measurements
Märtens, Olev; **Land, Raul**; **Metshein, Margus**; **Abdullayev, Anar**; **Vennikas, Henri**; **Le Moullec, Yannick** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p https://doi.org/10.1109/BEC61458.2024.10737981 Conference proceedings at Scopus Article at Scopus Article at WOS

Detection of pulmonary micronodules in computed tomography images and false positive reduction using 3D convolutional neural networks
Gupta, Anindya; Saar, Tõnis; **Märtens, Olev**; **Le Moullec, Yannick**; Sintorn, Ida-Maria International Journal of Imaging Systems and Technology 2019 / p. 327-339 : ill https://doi.org/10.1002/ima.22373 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Determination of penicillins in milk by a dual-optrode biosensor
Kagan, Margarita; Printsmann, Gunnar; **Kivirand, Kairi**; Rinken, Toonika Analytical letters 2017 / p. 819-828 : ill https://doi.org/10.1080/00032719.2016.1202957

Development and analysis of carbon-based dry-contact electrodes for bioimpedance measurements = Süsinikmaterjalil põhinevate kuivkontakt-elektroodide arendus ja analüüs bioimpedantsi mõõtmiseks
Kõiv, Hip 2023 https://doi.org/10.23658/taltech.1/2023 https://digikogu.taltech.ee/et/Item/f2775738-652e-4b4e-ba34-7a61fab78867 https://www.ester.ee/record=b5528441*est

Development and optimisation of modelling methods and algorithms for terahertz range radiation sources based on quantum well heterostructures = Kvantaukudega heterostruktuuridel põhinevate terahertskiirgurite modelleerimismeetodite ja -algoritmide arendus ja optimeerimine
Reeder, Reeno 2014 https://www.ester.ee/record=b3084247*est

Development and testing of a compact voice command recognition algorithm for limited complexity microcontroller devices
Udal, Andres; **Riid, Andri**; **Jaanus, Martin**; **Pärnamets, Kaiser**; Lokuta, Madis 2018 22nd International Conference Electronics : Palanga, Lithuania, 18-20 June 2018 2018 / p. 1-4 : ill http://doi.org/10.1109/ELECTRONICS.2018.8443645

Development of a bio-impedance signal simulator on the basis of the regression based model of the cardiac and respiratory impedance signals
Muhammad, Yar; **Le Moullec, Yannick**; **Annus, Paul**; **Min, Mart** 16th Nordic-Baltic Conference on Biomedical Engineering : 16. NBC & 10. MTD 2014 Joint Conferences, October 14-16, 2014, Gothenburg, Sweden 2015 / p. 92-95 : ill https://doi.org/10.1007/978-3-319-12967-9_25 Conference proceedings at Scopus Article at Scopus Article at WOS

Development of a low-cost, wireless smart thermostat for isothermal DNA amplification in lab-on-a-chip devices
Pardy, Tamas; **Sink, Henri**; **Koel, Ants**; **Rang, Toomas** Micromachines 2019 / art. 437, 13 p. : ill https://doi.org/10.3390/mi10070437 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of a transferable microfluidic droplet generator = Ülekantava mikrovedelik-tilkade generaatori arendus
Jõemaa, Rauno 2024 https://www.ester.ee/record=b5698969*est https://doi.org/10.23658/taltech.46/2024 https://digikogu.taltech.ee/et/Item/afb53063-1f89-4971-8758-142772e697dd

Development of automated detection and wireless reporting for a handheld point-of-care test
Pardy, Tamas; **Filograno, Leonardo**; Baumann, Cindy; **Rang, Toomas** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2021 / 4 p. : ill https://doi.org/10.1109/BEC49624.2020.9276773

Development of bioimpedance sensing device for wearable monitoring of the aortic blood pressure curve = Entwicklung eines Bioimpedanz-Messgerätes für die mobile Erfassung des aortalen Blutdruck
Kõiv, Hip; **Rist, Marek**; **Min, Mart** Technisches Messen 2018 / p. 366–377 : ill https://doi.org/10.1515/teme-2017-0113 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Development of methods for real-time in-step anomaly detection in gait analysis = Reaalajaliste meetodite arendus sammusiseste kõrvalkallete tuvastamiseks kõnnianalüüsis
Rostovski, Jakob 2025 https://www.ester.ee/record=b5734578*est https://digikogu.taltech.ee/et/Item/c25ff8f8-a46a-45ce-b231-23d2d52e7f54 https://doi.org/10.23658/taltech.15/2025

Development of national standard for voltage unit based on solid-state references = Pinge mõõtühiku riigietaloni arendamise Zener-tüüpi etalonpingeallikate baasil
Pokatilov, Andrei; Kübarsepp, Toomas 2008 https://www.ester.ee/record=b2425069*est

Development of numerical semiconductor device models and their application in device theory and design
Udal, Andres 1998 http://www.ester.ee/record=b1158907*est

Development of numerical semiconductor device models and their application in device theory and design = Pooljuhtseadiste numbriliste mudelite väljatöötamine ja rakendamine seadiste teoorias ja disainis : [a thesis ... of doctor of philosophy in engineering]
Udal, Andres 1998 http://www.ester.ee/record=b2688054*est

Development of quality and knowledge management system for the first satellite mission in an educational institution based on ECSS standards
Vihmand, Mart; **Dihuliya, Divya**; **Ehrminger, Robin** 66th International Astronautical Congress 2015 (IAC 2015) : Space - The Gateway for Mankind's Future, Jerusalem, Israel, 12-16 October 2015 2015 / p. 9717-9719
https://iafastro.directory/iac/paper/id/31145/summary/ Conference proceedings at Scopus Article at Scopus

Development of temperature control solutions for non-instrumented nucleic acid amplification tests (NINAAT)
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Micromachines 2017 / p. 1-11 : ill https://doi.org/10.3390/mi8060180 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A device for measuring the electrical bioimpedance with variety of electrode placements for monitoring the breathing and heart rate
Metshein, Margus 2015 26th Irish Signals and Systems Conference (ISSC) : Institute of Technology Carlow, Ireland, June 24-25, 2015 2015 / [4] p. : ill http://dx.doi.org/10.1109/ISSC.2015.7163748

Device-to-device discovery and localization assisted by UAVs in pervasive public safety networks
Masood, Ali; **Sharma, Navuday**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Scazzoli, Davide; Magarini, Maurizio; Ahmad, Rizwan Proceedings of the ACM MobiHoc workshop on innovative aerial communication solutions for FIrst REsponders network in emergency scenarios : iFIRE '19, Catania, Italy, July 2-5, 2019 2019 / p. 6-11 https://doi.org/10.1145/3331053.3335031

Difference sampling in bio-impedance measurement
Annus, Paul; **Rist, Marek**; Reidla, Marko; **Min, Mart** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 67

Digital self-interference cancellation: algorithmic performance analysis and software defined radio based realization
Rani, Ritu; **Le Moullec, Yannick** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 6 p. : ill https://doi.org/10.1109/BEC49624.2020.9277345

Digital twin for controlled generation of water-in-oil microdroplets with required size
Gyimah, Nafisat; **Scheler, Ott**; **Rang, Toomas**; Pardy, Tamas 2022 23rd International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems (EuroSimE), 25-27 April 2022, St Julian, Malta : proceedings 2022 / p. 85-91 https://doi.org/10.1109/EuroSimE54907.2022.9758876

Direct discovery-based cooperative device-to-device communication for emergency scenarios in 6G
Masood, Ali; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** 2022 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit) : proceedings 2022 / p. 297-302 : ill
https://doi.org/10.1109/EuCNC/6GSummit54941.2022.9815706

Direct eddy current method for volumetric flaws of cylindrical shape
Koliškina, Valentina; Kolyshkin, Andrei; **Gordon, Rauno**; **Märtens, Olev** ECCOMAS Congress 2016 : VII European Congress on

Computational Methods in Applied Sciences and Engineering : proceedings. Vol. 1 2016 / p. 7659-7665 : ill
https://www.eccomas2016.org/proceedings/pdf/5264.pdf

Discussion of the development aspects of the quantum cascadelaser simulation software
Reeder, Reeno; **Udal, Andres**; **Velmre, Enn** International Conference on THz and Mid Infrared Radiation and Applications to Cancer Detection Using Laser Imaging : workgroup meetings of Cost Actions MP1204 and BM1205 : October 10-11, 2013, Sheffiled Hallam University, United Kingdom 2013 / p. [36]

Dispersion management for nonlinearity mitigation in two-span 28 GBaud QPSK phase-sensitive amplifier links
Astra, Egon; Olsson, Samuel L. I.; Eliasson, Henrik; **Andrekson, Peter Avo** Optics express 2017 / p. 13163-13173 : ill
https://doi.org/10.1364/OE.25.013163 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Distributed adaptive largest eigenvalue detection with SNR weighted observations [Online resource]
Ainomäe, Ahti; **Trump, Tõnu**; **Le Moullec, Yannick** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill
https://doi.org/10.1109/BEC.2018.8600974

Distributed largest eigenvalue detection
Ainomäe, Ahti; **Trump, Tõnu**; Bengtsson, Mats 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 3519-3523 : ill
https://doi.org/10.1109/ICASSP.2017.7952811 Confernce proceedings at Scopus Article at Scopus Article at WOS

Distributed largest eigenvalue-based spectrum sensing using diffusion LMS
Ainomäe, Ahti; Bengtsson, Mats; **Trump, Tõnu** IEEE transactions on signal and information processing over networks 2018 / p. 362-377 : ill https://doi.org/10.1109/TSIPN.2017.2705483 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Distributed signal processing in cognitive radio networks = Hajutatud signaalitöötlus kognitiivse raadio võrgus
Ainomäe, Ahti 2018 https://digi.lib.ttu.ee/i/?9956 https://www.ester.ee/record=b5138040*est

Divider implementation based on USP-awadhoot division algorithm For area optimization
Patankar, Udayan Sunil; **Koel, Ants**; Patankar, Sunil M.; Flores, Miguel E. IEEE 4th Advanced Information Management, Communicates, Electronic and Automation Control Conference (IMCEC) 2021 / p. 1675-1682
https://doi.org/10.1109/IMCEC51613.2021.9482132

Division algorithms - from past to present chance to improve area time and complexity for digital applications
Patankar, Udayan Sunil; Flores, Miguel E.; **Koel, Ants** LAEDC 2020 : Latin American Electron Devices Conference, San José, Costa Rica, February 25-28, 2020 2020 / 4 p https://doi.org/10.1109/LAEDC49063.2020.9073050

Division Method And Circuit
Patankar, Udayan Sunil; **Koel, Ants**; Patankar, Sunil; Flores, Miguel E. 2022 https://www.wipo.int

DORM : narrowband IoT development platform and indoor deployment coverage analysis
Khan, Sikandar Muhammad Zulqarnain; **Malik, Hassan**; **Sarmiento, Jeffrey Leonel Redondo**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** Procedia computer science 2019 / p. 1084-1091 : ill https://doi.org/10.1016/j.procs.2019.04.154 Conference proceeding at Scopus Article at Scopus Article at WOS

A DRL strategy for optimal resource allocation along with 3D trajectory dynamics in UAV-MEC network
Khurshid, Tayyaba; Ahmed, Waqas; Rehan, Muhammad; Ahmad, Rizwan; **Alam, Muhammad Mahtab**; Radwan, Ayman IEEE Access 2023 / p. 54664 - 54678 https://doi.org/10.1109/ACCESS.2023.3278591 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Droon lendab terroriohvreile appi
Imeline Teadus 2021 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

A DSP-based EBI, ECG and PPG measurement platform
Abdullayev, Anar; **Rist, Marek**; **Märtens, Olev**; **Metshein, Margus**; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; **Min, Mart**; John, Deepu; Cardiff, Barry; **Krivosei, Andrei**; **Annus, Paul** IEEE transactions on instrumentation and measurement 2023 / art. 2007808, 8 p https://doi.org/10.1109/TIM.2023.3320771 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A DSP-based impedance measurement device
Abdullayev, Anar; **Märtens, Olev**; **Rist, Marek**; **Metshein, Margus**; **Min, Mart**; **Annus, Paul** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 l. https://doi.org/10.1109/BEC56180.2022.9935588

A DSP-based multichannel EBI measurement device

Abdullayev, Anar; **Rist, Marek**; **Krivošei, Andrei**; **Metshein, Margus**; **Land, Raul**; **Märtens, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024
https://doi.org/10.1109/I2MTC60896.2024.10560714

Dual-source Linear Energy Prediction (LINE-P) model in the context of WSNs
Ahmed, Faisal; **Tamberg, Gert**; **Le Moullec, Yannick**; **Annus, Paul** Sensors 2017 / art. 1666, p. 1-22 : ill
https://doi.org/10.3390/s17071666 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Durability performance of semiconductor strain gauges in GFRP laminate
Herranen, Henrik; **Saar, Tõnis**; **Gordon, Rauno**; **Pohlak, Meelis**; **Lend, Henri** Proceedings of the 6th ECCOMAS Thematic Conference on Smart Structures and Materials, SMART 2013 : Turin, Italy, June 24-26, 2013 2013 / p. 1-14 : ill

Dynamic electrical impedance measurement methods
Giannoukos, Georgios; **Min, Mart** Engineering Technology, Engineering Education and Engineering Management : 2014 International Conference on Engineering Technology, Engineering Education and Engineering Management (ETEEEM 2014), Guangzhou, China, 15-16 November 2014 2015 / p. 379-383 : ill http://dx.doi.org/10.1201/b18566-91

Dynamic radio frame configuration by exploiting uplink control channel for URLLC
Sharma, Navuday; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Malik, Hassan**; Bennis, Mehdi; **Pärand, Sven** 2019 IEEE Wireless Communications and Networking Conference Workshop (WCNCW) 2019 / 6 p. : ill
https://doi.org/10.1109/WCNCW.2019.8902898

Dynamic reference for evaluation of bioimpedance spectroscopy devices
Rist, Marek; **Min, Mart** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 107-110 : ill
http://www.ester.ee/record=b2150914*est

Dynamic slot allocation using non overlapping backoff algorithm in IEEE 802.15.6 WBAN
Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; **Alam, Muhammad Mahtab**; **Kuusik, Alar**; **Le Moullec, Yannick** IEEE sensors journal 2020 / p. 10862-10875 : ill https://doi.org/10.1109/JSEN.2020.2993795 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Dynamic volume measurement of right ventricle using impedance spectroscopy and multi electrode intraventricular catheter
Kink, Andres; **Rist, Marek**; **Land, Raul**; **Kõiv, Hip**; **Min, Mart** International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 26-27 : ill

ECG classification with event-driven sampling
Saeed, Maryam; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry IEEE Access 2024 / p. 25188-25199
https://doi.org/10.1109/ACCESS.2024.3364115

Eddy current corrosion measurement of steel
Märtens, Olev; **Land, Raul**; **Min, Mart**; **Rist, Marek**; Ferenets, Marju; Käsper, Andres International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 40-41 : ill

Eddy current corrosion measurement of steel
Märtens, Olev; **Land, Raul**; **Min, Mart**; **Rist, Marek**; Ferenets, Marju; Käsper, Andres Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 125–134 : ill https://doi.org/10.1515/9783110558920-012

Eddy current testing models for the analysis of corrosion effects in metal plates
Koliškina, Valentina; Kolyshkin, Andrei; **Gordon, Rauno**; **Märtens, Olev** 19th European Conference on Mathematics for Industry : June, 13-17, 2016, Santiago de Compostela (Spain) : book of abstracts 2016 / p. 200 http://dx.doi.org/10.15304/cc.2016.968

Eddy current validation of Euro-coins
Gordon, Rauno; **Märtens, Olev**; **Land, Raul**; **Min, Mart**; **Rist, Marek**; **Gavrijaševa, Alina**; **Pokatilov, Andrei**; Kolyshkin, Andrei Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 3 2012 / p. 47-63 : ill

Edge-to-Fog collaborative computing in a swarm of drones
Rahbari, Dadmehr; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** Advances in Model and Data Engineering in the Digitalization Era : MEDI 2021 International Workshops: DETECT, SIAS, CSMML, BIOC, HEDA, Tallinn, Estonia, June 21–23, 2021 : proceedings 2021 / p. 78–87 https://doi.org/10.1007/978-3-030-87657-9_6 Conference Proceedings at Scopus Article at Scopus

Eesti iduettevõte töötas koos TalTechiga välja rahakotisõbraliku lahenduse, mis muudab energia säästmise lihtsamaks nii elu- kui ärihoonetes
geenius.ee 2023 Eesti iduettevõte töötas koos TalTechiga välja rahakotisõbraliku lahenduse, mis muudab energia säästmise lihtsamaks nii elu- kui ärihoonetes

Eesti on maailma kuues riik, kus osutatakse lennuliiklusteenust juba kahele lennuväljale vaid digitorni abil
digi.geenius.ee 2024 Eesti on maailma kuues riik, kus osutatakse lennuliiklusteenust juba kahele lennuväljale vaid digitorni abil

Eesti tudengisatelliit Hämarik põles atmosfääris ära
postimees.ee 2024 Eesti tudengisatelliit Hämarik põles atmosfääris ära

Effect of imperfect CSI on interference alignment in multiple-high altitude platforms based communication
Sudheesh, P.G.; **Sharma, Navuday**; Magarini, Maurizio; Muthuchidambaranathan, Palanivel Physical communication 2018 / p. 336-342 : ill https://doi.org/10.1016/j.phycom.2017.11.002

Effective self adaptive multiple source localization technique by primal dual interior point method in binary sensor networks
Khan, Muhidul Islam; Xia, Kewen IEEE communications letters 2017 / p. 1119-1122 : ill https://doi.org/10.1109/LCOMM.2017.2657508

Effects of physical exercise on balange, range of motion (ROM) and angular velocity (AV) measurements
Kask, Triin; **Kuusik, Alar**; Meerolla Kumar, S.; Maamägi, Heigo; Gross-Paju, Katrin Journal of the neurological sciences 2019 / p. 295–296 : ill https://doi.org/10.1016/j.jns.2019.10.1380

Effects of the inclusion of armchair graphene nanoribbons on the electrical conduction properties of NN-heterojunction 4H-6H/SiC diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Advanced Materials and Processing Technologies : 2nd International Conference on Sensors, Materials and Manufacturing (ICSMM 2018, November 19-21, 2018, Taiwan); International Conference on Materials Sciences and Nanomaterials (ICMSN 2018, July 11-13, 2018, United Kingdom) and the 2nd International Conference on Materials and Intelligent Manufacturing (ICMIM 2018, August 24-26, 2018, Japan) 2019 / p. 29–35 : ill
https://doi.org/10.4028/www.scientific.net/MSF.962.29 Conference proceeding at Scopus Article at Scopus

Efficient excitation signals for the fast impedance spectroscopy
Ojarand, Jaan; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2014 / p. 144-149 : ill
https://doi.org/10.5755/j01.eee.20.5.7115 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

EFIC-ME : a fast emulation based fault injection control and monitoring enhancement
Abideen, Zain Ul; **Rashid, Muhammad Haroon** IEEE Access 2020 / p. 207705-207716
https://doi.org/10.1109/ACCESS.2020.3038198 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electric impedance measurement of tissue phantom materials for development of medical diagnostic systems
Kõiv, Hip; **Gordon, Rauno**; **Pesti, Ksenija** International Workshop on Impedance Spectroscopy 2014 : September 24-26 2014, Chemnitz, Germany 2014 / [2] p. : ill

Electric impedance measurement of tissue phantom materials for development of medical diagnostic systems
Kõiv, Hip; **Pesti, Ksenija**; **Gordon, Rauno** Progress reports on impedance spectroscopy : measurements, modeling, and application 2017 / p. 131-137 : ill https://doi.org/10.1515/9783110449822-013

Electrical bioimpedance analysis for evaluating the effect of pelotherapy on the human skin : methodology and experiments
Metshein, Margus; Tuulik, Varje-Riin; Tuulik, Viiu; Kumm, Monika; **Min, Mart**; **Annus, Paul** Sensors 2023 / art. 4251
https://doi.org/10.3390/s23094251 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Electrical bioimpedance based monitoring of cardiac and respiratory activity : positioning of capacitive electrodes for wearable human monitoring device
Metshein, Margus; **Parve, Toomas** International journal of bioelectromagnetism 2015 / p. 64-74 : ill

Electrical bio-impedance based non-invasive method for the central aortic blood pressure waveform estimation
Krivošei, Andrei; **Min, Mart**; **Uuetoa, Hasso**; **Lamp, Jürgen**; **Annus, Paul** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 181-184 : ill

Electrochemical impedance spectroscopy
El-Azazy, Marwa; **Min, Mart**; **Annus, Paul** Intechopen 2020 https://www.intechopen.com/books/10054
https://doi.org/10.5772/intechopen.92333

Electrochemical impedance spectroscopy analysis of immunoglobulin G in patients with gastric cancer
Sergejev, Kirill; **Land, Raul**; Klaamas, Kersti; Kurtenkov, Oleg BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 189-192 : ill

Electrode optimization for bioimpedance based central aortic blood pressure estimation
Metshein, Margus; **Kõiv, Hip**; **Annus, Paul**; **Min, Mart** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 497-501 https://doi.org/10.1007/978-981-10-9038-7_92 Conference Proceedings at Scopus Article at Scopus Article at WOS

Electrode placement configuration variations with the aim of monitoring the rate of breathing and pulse by the means of electrical bioimpedance
Metshein, Margus Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 7-10 : ill

Electrode placement strategies for the measurement of radial artery bioimpedance : simulations and experiments
Pesti, Ksenija; **Metshein, Margus**; **Annus, Paul**; **Kõiv, Hip**; **Min, Mart** IEEE transactions on instrumentation and measurement 2021 / 10 p. : ill https://doi.org/10.1109/TIM.2020.3011784 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Elektrilise bioimpedantsi mõõtmistest ravimuda mõju hindamiseks inimese nahale
Metshein, Margus Tervisedenduse ja Rehabilitatsiooni Kompetentsikeskuse ravimuda valdkonna toimetised. 2 2019 / lk. 82-96 : ill https://terekk.ee/wp-content/uploads/Toimetised-II-parand_t%C3%A4isresolutsiooniline.pdf

Elektrilisel bioimpedantsil põhinev sensor jälgib kopsude ja südame tööd
Mente et Manu 2021 / lk. 30-31 : portr Mente et Manu 2/2021

Elektroonika üldkursuste laboratoorsete tööde juhendid
1986 https://www.ester.ee/record=b1240926*est

Elektroonsed mõõtmised inseneerias : [kõrgkooliõpik]
Märtens, Olev 2022 https://digikogu.taltech.ee/et/Item/205a1fc3-4743-4c50-9f0e-c13ce9b0649e

Elektroonsed mõõtmised inseneerias : [kõrgkooliõpik]
Märtens, Olev 2023 https://www.ester.ee/record=b5557611*est

Elements of vedic mathematics
Patankar, Udayan Sunil; Patankar, Sunil M. 2018 http://www.ester.ee/record=b4764489*est https://digikogu.taltech.ee/et/Item/2e3b67b5-330b-4f90-9c0e-65aa1b6aad6a

Embedded blur-free single-image acquisition pipeline for droplet microfluidic imaging flow cytometry (IFC)
Afrin, Fariha; **Pärnamets, Kaiser**; **Le Moullec, Yannick**; **Udal, Andres**; **Koel, Ants**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access 2024 / p. 92431-92441 https://doi.org/10.1109/ACCESS.2024.3421637

Embedded ICG-based stroke volume measurement system : comparison of discrete-time and continuous-time architectures
Gautier, Antoine; Larras, Benoit; **Märtens, Olev**; John, Deepu; Frappe, Antoine IEEE International SOC Conference 2022 / p. 46-51 https://doi.org/10.1109/SOCC52499.2021.9739386

Empirical evaluation of NB-IoT and CAT-M coverage for underground water system
Roosipuu, Priit; **Annus, Ivar**; **Kuusik, Alar**; **Kändler, Nils**; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo** IEEE Access 2024 / 14 p https://doi.org/10.1109/ACCESS.2024.3478733

An empirical modeling for the baseline energy consumption of an NB-IoT radio transceiver
Khan, Sikandar Muhammad Zulqarnain; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Kuusik, Alar**; Pärand, Sven; Verikoukis, Christos IEEE Internet of Things Journal 2021 / p. 14756-14772 : ill https://doi.org/10.1109/JIOT.2021.3072769 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

End-to-end link availability assessments in an optical spectrum as a service use-case
Kaeval, Kaida 2024 International Conference on Optical Network Design and Modeling (ONDM) : proceedings 2024 / 6 p https://doi.org/10.23919/ONDM61578.2024.10582649

Energy consumption evaluation of NOMA-based sustainable scheduling in 6G O-RAN
Latif, Aamir; **Alam, Muhammad Mahtab**; **Elgarhy, Osama Mohamed Mostafa**; **Le Moullec, Yannick** 2024 International Wireless Communications and Mobile Computing (IWCMC) 2024 / p. 484-489 https://doi.org/10.1109/IWCMC61514.2024.10592553

Energy efficiency and connectivity maximization for massive machine type communication in multi-cell NOMA
Latif, Aamir; **Elgarhy, Osama Mohamed Mostafa**; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** 2024 19th Biennial Baltic Electronics Conference (BEC) : October 2-4, 2024, Estonia 2024 / 6 p https://doi.org/10.1109/BEC61458.2024.10737950 Conference proceedings at Scopus Article at Scopus Article at WOS

Energy efficiency and latency optimization for IoT URLLC and mMTC use cases
Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; **Alam, Muhammad Mahtab**; Zoha, Ahmed; Ahmad, Rizwan; **Kuusik, Alar** IEEE Access / p. 23132-23148 https://doi.org/10.1109/ACCESS.2024.3364349

Energy efficiency evaluation of linear transmitters for 5G NR wireless waveforms
Biyabani, Sara R.; **Khan, Rida**; **Alam, Muhammad Mahtab**; Biyabani, A. Ahmed; McCune, Earl IEEE transactions on green communications and networking 2019 / p. 446 - 454 : ill https://doi.org/10.1109/TGCN.2019.2902179 Journal merics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy efficiency for bisection based power allocation with proportional fairness in relay-assisted LTE-A downlink system [Online resource]
Hassan, Hammad; Ahmed, Ifran; **Alam, Muhammad Mahtab** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600970

Energy efficient pulses for deep brain stimulation
Gordon, Rauno; **Min, Mart**; **Land, Raul** International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 19-20 : ill

Energy harvesting technologies - potential application to wearable health-monitoring
Ahmed, Faisal; **Le Moullec, Yannick**; **Annus, Paul** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Energy-aware task scheduling by a true online reinforcement learning in wireless sensor networks
Khan, Muhidul Islam; Xia, Kewen; Ali, Ahmad; Aslam, Nelofar International journal of sensor networks 2017 / p. 244-258 http://dx.doi.org/10.1504/IJSNET.2016.10001403

Energy-efficient distributed leader selection algorithm for energy-constrained wireless sensor networks
Ulp, Sander; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** IEEE Access 2019 / p. 4410-4421 : ill https://doi.org/10.1109/ACCESS.2018.2888551 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Energy-efficient pulses for deep brain stimulation
Gordon, Rauno; **Min, Mart**; **Land, Raul** Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 153-160 : ill https://doi.org/10.1515/9783110558920-015

Enhanced decision mechanism for RAN subslicing in management closed control loop
Kulmar, Marika; **Müürsepp, Ivo**; **Alam, Muhammad Mahtab** 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 175-181 : ill https://doi.org/10.1109/FMEC59375.2023.10306223

Enhanced IoT-based end-to-end emergency and disaster relief system
Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; Kadri, Abdullah; Ben Hamida, Elyes; Attia, Rabah Journal of sensor and actuator networks 2017 / art. 19, p. 1-18 : ill https://doi.org/10.3390/jsan6030019 Journal metrics at Scopus Article at Scopus

Enhanced optimization of the wideband excitation signal for a bioimpedance measurement
Ojarand, Jaan; **Rist, Marek**; **Min, Mart** 2015 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2015) : May 11-14, 2015, Pisa, Italy : proceedings 2015 / p. 1801-1806 : ill https://doi.org/10.1109/I2MTC.2015.7151554 Conference proceedings at Scopus Article at Scopus Article at WOS

Enhancing fingerprinting-based 5G positioning accuracy with directionally transmitted synchronization signals
Müürsepp, Ivo; **Alam, Muhammad Mahtab** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p. https://doi.org/10.1109/BEC61458.2024.10737987 Conference Proceedings at Scopus Article at Scopus Article at WOS

Erratum to: Long-haul optical transmission link using low-noise phase-sensitive amplifiers (Nature Communications, (2018), 9, 1, (2513), 10.1038/s41467-018-04956-5)
Olsson, Samuel L. I.; Eliasson, Henrik; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter A. Nature Communications 2018 / Art. nr. 3064 https://doi.org/10.1038/s41467-018-05591-w Journal metrics at Scopus Article at Scopus Journal metrics at WOS

Error sources in analog ASICs and ways for their minimization
Mihhailov, Juri International journal of engineering and applied sciences (EAAS) 2013 / p. 32-41 : ill

Estimating sparse signals using integrated wideband dictionaries
Butsenko, Maksim; Swärd, Johan; Jakobsson, Andreas IEEE Transactions on Signal Processing 2018 / p. 4170-4181 : ill https://doi.org/10.1109/TSP.2018.2835426 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Estimating sparse signals using integrated wide-band dictionaries
Butsenko, Maksim; Swärd, Johan; Jakobsson, Andreas 2017 IEEE International Conference on Acoustics, Speech, and Signal

Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 4426-4430 : ill https://doi.org/10.1109/ICASSP.2017.7952993 Conference proceedings at Scopus Article at Scopus Article at WOS

Estimating the transfer function between the CAP and radial EBI cardiac periods : use of PCA for dominating spectral features analysis
Krivošei, Andrei; **Uuetoa, Hasso**; **Min, Mart**; Lamp, Jürgen; **Annus, Paul**; Uuetoa, Tiina The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Estimating the transfer function between the CAP and radial EBI cardiac periods : use of PCA for dominating spectral features analysis
Krivošei, Andrei; **Uuetoa, Hasso**; **Min, Mart**; Lamp, Jürgen; **Annus, Paul**; Uuetoa, Tiina International journal of bioelectromagnetism 2015 / p. 31-35 : ill

Estimating UWB positioning integrity based on ranging residuals
Tommingas, Mihkel; **Ulp, Sander**; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo**; **Laadung, Taavi** 2023 24th International Conference on Applied Electromagnetics and Communications (ICECOM) 2023 / 5 p
https://doi.org/10.1109/ICECOM58258.2023.10367954

Estonia's student satellite burns up after four years in orbit = Эстонский студенческий спутник Hämarik сгорел в атмосфере
news.postimees.ee 2024 Estonia's student satellite burns up after four years in orbit Эстонский студенческий спутник Hämarik сгорел в атмосфере

ETSI SmartBAN architecture: The global vision for smart body area networks
Hamalainen, Matti; Mucchi, Lorenzo; Girod-Genet, Marc; Paso, Tuomas; Farserotu, John; Tanaka, Hirokazu; Anzai, Daisuke; Pierucci, Laura; **Khan, Rida**; **Alam, Muhammad Mahtab** IEEE Access 2020 / art. 9167215, p. 150611-150625
https://doi.org/10.1109/ACCESS.2020.3016705 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of level-crossing ADCs for event-driven ECG classification
Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev** IEEE Transactions on Biomedical Circuits and Systems 2021 / p. 1129-1139
https://doi.org/10.1109/TBCAS.2021.3136206 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Evaluation of low power wide area network technologies for smart urban drainage systems
Malik, Hassan; **Kändler, Nils**; **Alam, Muhammad Mahtab**; **Annus, Ivar**; **Le Moullec, Yannick**; **Kuusik, Alar** 2018 IEEE : International Conference on Environmental Engineering, March 12-14, 2018 Milan Italy : conference proceedings 2018 / 5 p. : ill
https://doi.org/10.1109/EE1.2018.8385262

Evaluation of two-electrode system configurations for forearm arteries bioimpedance measurement
Metshein, Margus; **Pesti, Ksenija**; Lapsa, Didzis; **Annus, Paul**; Janeliukstis, Rims; Elsts, A.; **Märtens, Olev** 2024 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) : proceedings 2024 / 6 p
https://doi.org/10.1109/I2MTC60896.2024.10561178

Evaluation of VoIP QoS performance in wireless mesh networks
Meeran, Mohammad Tariq; **Annus, Paul**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** Information 2017 / art. 88, p. 1-26 : ill
https://doi.org/10.3390/info8030088 Journal metrics at Scopus Article at Scopus

Event-driven ECG classification using an open-source, LC-ADC based non-uniformly sampled dataset
Saeed, Maryam; Wang, Qingyuan; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; John, Deepu 2021 IEEE International Symposium on Circuits and Systems (ISCAS), Daegu, Korea May 22-28, 2021 : proceedings 2021 / 5 p
https://doi.org/10.1109/ISCAS51556.2021.9401333 Conference Proceedings at Scopus Article at Scopus Article at WOS

Event-driven ECG classification using functional approximation and Chebyshev polynomials
Saeed, Maryam; **Märtens, Olev**; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry 2022 IEEE Biomedical Circuits and Systems Conference (BioCAS), 13-15 Oct. 2022 2022 / p. 595-599 https://doi.org/10.1109/BioCAS54905.2022.9948612

Experimental Characterization of Connectivity for ProSe Direct Discovery in Emergency Scenarios for 6G
Masood, Ali; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** 2023 IEEE Wireless Communications and Networking Conference (WCNC) 2023 / p. 1-6 https://doi.org/10.1109/WCNC55385.2023.10118649

Experimental characterization of ProSe direct discovery for emergency scenarios
Masood, Ali; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** 2021 IEEE 7th World Forum on Internet of Things (WF-IoT), 14 June 2021 - 31 July 2021, New Orleans, LA, USA : proceedings 2021 / p. 891−896 https://doi.org/10.1109/WF-IoT51360.2021.9595305

Experimental modal analysis of maritime composite panel
Gavrijaševa, Alina; **Märtens, Olev**; **Land, Raul**; **Saar, Tõnis**; **Herranen, Henrik**; **Majak, Jüri**; Reidla, Marko; **Kuusik, Alar** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 143-146 : ill http://www.ester.ee/record=b2150914*est

An experimental study of building blocks of lattice-based NIST post-quantum cryptographic algorithms
Imran, Malik; **Abideen, Zain Ul**; **Pagliarini, Samuel Nascimento** Electronics 2020 / art. 1953, 26 p. : ill
https://doi.org/10.3390/electronics9111953 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Experimental validation and field trials of 5G cross-border connectivity
Elgarhy, Osama Mohamed Mostafa; **Kulmar, Marika**; **Roosipuu, Priit**; **Rohtla, Margus**; **Le Moullec, Yannick**; **Kõrbe Kaare, Kati**; Sadam, Arvi; Scholliers, Johan; **Alam, Muhammad Mahtab** 2024 IEEE Future Networks World Forum (FNWF) 2024 / p. 57-62
https://doi.org/10.1109/FNWF63303.2024.11028794

Extraction of the variable width laser line
Mõlder, Ago; **Märtens, Olev**; **Saar, Tõnis**; **Land, Raul** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 157-160 : ill

Faasisünkroniseerimissüsteemi isehäälestumise tagamine : magistritöö
Ronk, Ants 1992 https://www.ester.ee/record=b2676473*est

Fast and fair computation offloading management in a swarm of drones using a rating-based federated learning approach
Rahbari, Dadmehr; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Jenihhin, Maksim** IEEE Access 2021 / p. 113832-113849
https://doi.org/10.1109/ACCESS.2021.3104117 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fast precise eddy current measurement of metals
Märtens, Olev; **Land, Raul**; **Min, Mart**; **Rist, Marek**; **Annus, Paul**; **Pokatilov, Andrei** 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 5 p. : ill https://doi.org/10.1109/I2MTC.2018.8409781

Fat prediction in minced meat with low-cost BIA spectrometer
Objartel, Mart; **Tamm, Martti**; **Kraft, Kadri**; **Annus, Paul**; **Land, Raul** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 38

Feasibility of utilizing air gapped toroidal magnetic cores for detecting pulse wave in radial artery
Metshein, Margus; **Pesti, Ksenija**; **Min, Mart**; **Annus, Paul**; **Märtens, Olev** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 5 p. : ill https://doi.org/10.1109/BEC49624.2020.9277197

Feasibility study of Si and SiC MOSFETs in high-gain DC/DC converter for renewable energy applications
Blinov, Andrei; **Chub, Andrii**; **Vinnikov, Dmitri**; **Rang, Toomas** Proceedings : IECON 2013 - 39th Annual Conference of the IEEE Industrial Electronics Society : Austria Center Vienna, Vienna, Austria, 10-14 November, 2013 2013 / p. 5975-5978 : ill
https://doi.org/10.1109/IECON.2013.6700115 Conference Proceedings at Scopus Article at Scopus

FedBranched : leveraging federated learning for anomaly-aware load forecasting in energy networks
Manzoor, Habib Ullah; Khan, Ahsan Raza; Flynn, David; **Alam, Muhammad Mahtab**; Akram, Muhammad; Imran, Muhammad Ali; Zoha, Ahmed Sensors 2023 / art. 3570 https://doi.org/10.3390/s23073570 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

FESDA : fog-enabled secure data aggregation in smart grid IoT network
Saleem, Ahsan; Khan, Abid; Malik, Saif Ur Rehman; Pervaiz, Haris; **Malik, Hassan**; Alam, Masoom; Jindal, Anish IEEE Internet of Things Journal 2020 / p. 6132-6142 https://doi.org/10.1109/JIOT.2019.2957314 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fiducial point estimation solution for impedance cardiography measurements
Märtens, Olev; **Metshein, Margus**; **Abdullayev, Anar**; Larras, Benoit; Frappe, Antoine; Gautier, Antoine; Saeed, Maryam; John, Deepu; Cardiff, Barry; Krivošei, Andrei; **Annus, Paul**; **Rist, Marek** 2022 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) 2022 / Code 180602 https://doi.org/10.1109/I2MTC48687.2022.9806596 Conference Proceedings at Scopus Article at Scopus Article at WOS

Finite element modelling for the optimization of microheating in disposable molecular diagnostics
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek International journal of computational methods and experimental measurements 2017 / p. 13-22 : ill https://doi.org/10.2495/CMEM-V5-N1-13-22 Journal metrics at Scopus Article at Scopus

Finite element modelling for the optimization of microheating in disposable molecular diagnostics [Electronic resource]
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek 14th International Conference on Simulation and Experiments in Heat Transfer and its Applications : Heat Transfer 2016 : 7-9 September, 2016 Ancona, Italy : unedited papers 2016 / p. [144-155] : ill. [USB]

Finite element modelling of the resistive heating of disposable molecular diagnostics devices
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Computational methods and experimental measurements XVII 2015 / p. 381-391 : ill

http://dx.doi.org/10.2495/CMEM150341

A first experimental study of fixed-point approximate arithmetic in recursive lattice filters
Koch, Peter; **Le Moullec, Yannick** 2023 IEEE Nordic Circuits and Systems Conference (NorCAS) 2023 / 6 p. : ill
https://doi.org/10.1109/NorCAS58970.2023.10305450

First principles simulations of phenol and methanol detector based on pristine graphene nanosheet and armchair graphene nanoribbons
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Sensors 2019 / art. 2731, 14 p. : ill https://doi.org/10.3390/s19122731 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

5G as an enabler of connected-and-automated mobility in European cross-border corridors — a market assessment
Rizopoulos, Dimitrios; Laskari, Marina; Kouloumbis, Gerasimos; Fergadiotou, Ioanna; Durkin, Patrick; **Kõrbe Kaare, Kati**; **Alam, Muhammad Mahtab** Sustainability 2022 / art. 14411 https://doi.org/10.3390/su142114411 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

5G testbed implementation and measurement campaign for ground and aerial coverage
Fjodorov, Aleksei; **Masood, Ali**; **Alam, Muhammad Mahtab**; Pärand, Sven 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. https://doi.org/10.1109/BEC56180.2022.9935602

Flexible data acquisition system with custom front-end for ultrasonic NDT research
Peng, Chengxiang; **Ratassepp, Madis**; **Annus, Paul**; **Rist, Marek**; **Land, Raul**; **Märtens, Olev** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 4 p https://doi.org/10.1109/BEC61458.2024.10737989 Conference proceedings at Scopus Article at Scopus Article at WOS

A flexible enhanced throughput and reduced overhead (FETRO) MAC protocol for ETSI SmartBAN
Khan, Rida; **Alam, Muhammad Mahtab**; Guizani, Mohsen IEEE Transactions on Mobile Computing 2022 / p. 2671-2686 : ill
https://doi.org/10.1109/TMC.2020.3047596 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Flexible inductive coils for wearable cardiorespiratory activity monitoring [Online resource]
Metshein, Margus; **Annus, Paul**; **Min, Mart** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600990

Flight control of vectored thrust aerial vehicle by neural network predictive controller for enhanced situational awareness
Astrov, Igor; **Pikkov, Mihhail**; **Paluoja, Rein** World Academy of Science, Engineering and Technology 2013 / p. 77-81 : ill

Foreign object induced fiber undulation influence on mechanical properties of composite laminate
Herranen, Henrik; **Lend, Henri**; **Kuusik, Alar**; Czichon, Steffen; **Kers, Jaan**; **Piirlaid, Marko** International Conference on Composite Materials 2013 (ICCM-19) : Montreal, Quebec, Canada, 28 July-2 August 2013 : [proceedings] 2013 / p. 837-844

Foreword : [selected papers of the 19th Biennial Conference on Electronics and Embedded Systems 2024 (BEC 2024), that took place on October 2-4, 2024, in Tallinn, Estonia]
Le Moullec, Yannick; **Ellervee, Peeter** Proceedings of the Estonian Academy of Sciences 2025 / p. 267-268
https://doi.org/10.3176/proc.2025.2S.04

Formation of Diffusion welded Al contacts to semiconductor silicon carbide
Korolkov, Oleg 2004

Four-span dispersion map optimization for improved nonlinearity mitigation in phase-sensitive amplifier links
Astra, Egon; Eliasson, Henrik; **Andrekson, Peter Avo** 2017 European Conference on Optical Communication (ECOC 2017), Gothenburg, Sweden, 17-21 September 2017 2017 / p. 424-426 : ill https://doi.org/10.1109/ECOC.2017.8345968

FPGA-based 16-bit 20 MHz device for the inductive measurement of electrical bio-impedance
Priidel, Eiko; **Pesti, Ksenija**; **Min, Mart**; **Ojarand, Jaan**; **Märtens, Olev** 2021 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2021), May 17-20, 2021 : proceedings 2021 / 5 p. : ill https://doi.org/10.1109/I2MTC50364.2021.9460073

Fractional Fourier transform-based signal separation for ultrasonic guided wave inspection of plates
Peng, Chengxiang; **Annus, Paul**; **Rist, Marek**; **Land, Raul**; **Ratassepp, Madis** Sensors 2024 / art. 7564
https://doi.org/10.3390/s24237564 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Frequency and power allocation schemes for heterogeneous networks including femto cells
Ahmed, Tauseef; **Le Moullec, Yannick** 2015 23rd Telecommunications Forum (TELFOR) : Belgrade, Serbia, November, 24-26, 2015 : proceedings of papers = XXIII Телекомуникациони Форум ТЕЛФОР 2015 : зборник радова 2015 / p. 277-280 : ill
http://dx.doi.org/10.1109/TELFOR.2015.7377464

Frequency-optimized rectangular pulses for deep brain stimulation

Gordon, Rauno; **Min, Mart**; **Land, Raul** International journal of bioelectromagnetism 2015 / p. 13-19 : ill

Frequency-optimized rectangular pulses for deep brain stimulation
Gordon, Rauno; **Min, Mart**; **Land, Raul** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

From basic foundations to future developments : introductory chapter
Min, Mart Cardiac Pacing and Monitoring : New Methods, Modern Devices 2019 / p. 1-7 http://dx.doi.org/10.5772/intechopen.85674

A fully differential, 200MHz, programmable gain, level-shifting, hybrid amplifier/power combiner/test buffer, using pre-distortion for enhanced linearity
Kampus, Vahur; **Rang, Toomas**; Knaller, Daniel PRIME 2018 : 14th Conference on PhD Research in Microelectronics and Electronics 2018 / p. 5-8 : ill https://doi.org/10.1109/PRIME.2018.8430372

Functional self-test of high-performance pipe-lined signal processing architectures
Gorev, Maksim; **Ubar, Raimund-Johannes**; **Ellervee, Peeter**; **Devadze, Sergei**; **Raik, Jaan**; **Min, Mart** Microprocessors and microsystems 2015 / p. 909-918 : ill https://doi.org/10.1016/j.micpro.2014.11.002 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Fundamentals, recent advances, and future challenges in bioimpedance devices for healthcare applications
Naranjo-Hernandez, David; Reina-Tosina, Javier; **Min, Mart** Journal of sensors 2019 / art. 9210258, 42 p. : ill https://doi.org/10.1155/2019/9210258 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

FYPSim : an estimation framework for energy harvesting and energy prediction for WSNs
Ahmed, Faisal; **Le Moullec, Yannick**; **Annus, Paul** 2016 IEEE International Conference on Consumer Electronics-Taiwan (ICCE-TW) : Nantou County, Taiwan, 27-29 May 2016 2016 / p. 291-292 : ill https://doi.org/10.1109/ICCE-TW.2016.7521033

FYPSim : evaluation tool for solar-based energy harvesting for WSNs
Ahmed, Faisal; **Le Moullec, Yannick**; **Annus, Paul** International journal of bioelectromagnetism 2015 / p. 75-86 : ill

GPS jamming hard to combat
Rohemäe, Maria-Ann news.err.ee 2024 GPS jamming hard to combat GPS jamming hard to combat

GPS-i segamisel võib olla mitu põhjust
Lauri, Vahur err.ee 2024 GPS-i segamisel võib olla mitu põhjust

Grey wolf optimizer-based task scheduling for IoT-based applications in the edge computing
Satouf, Aram; Hamidoglu, Ali; Gul, Omer Melih; **Kuusik, Alar** 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 53-57 https://doi.org/10.1109/FMEC59375.2023.10306148

Grid-based computational algorithm for accurate AC conductivity measurements
Pokatilov, Andrei; **Parker, Martin**; **Kübarsepp, Toomas**; **Märtens, Olev**; Kolyshkin, Andrei 16th International Congress of Metrology 2013 / p. 1-4 : ill

Guided wave tomography of pipe bends based on full waveform inversion
Rasgado Moreno, Carlos Omar; **Rist, Marek**; **Land, Raul**; **Ratassepp, Madis** Ultrasonics 2025 / art. 107560 https://doi.org/10.1016/j.ultras.2024.107560

Gunshot acoustic event identification and shooter localization in a WSN of asynchronous multichannel acoustic ground sensors
Astapov, Sergei; **Berdnikova, Julia**; **Ehala, Johannes**; **Kaugerand, Jaanus**; **Preden, Jürgo-Sören** Multidimensional systems and signal processing 2018 / p. 563-595 : ill https://doi.org/10.1007/s11045-017-0479-7 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hankel matrix based algorithm for cardiac pulse wave base and peak lines Correction
Krivošei, Andrei; **Min, Mart**; **Annus, Paul**; **Märtens, Olev**; **Metshein, Margus**; Lotamõis, Kristina; Rist, Marek IEEE International Workshop on Medical Measurement and Applications (MEMEA) 2022 / 6 p https://doi.org/10.1109/MeMeA54994.2022.9856564

Hardware imitation of the varying bioelectrical impedance for testing the device for measurement of the impedance of human trunk by using a JFET
Metshein, Margus 21st 2016 International Conference on Applied Electronics : Pilsen, 6-7 September 2016 2016 / p. 173-176 : ill https://doi.org/10.1109/AE.2016.7577267

Heuristic radio access network subslicing with user clustering and bandwidth subpartitioning
Kulmar, Marika; **Müürsepp, Ivo**; **Alam, Muhammad Mahtab** Sensors 2023 / art. 4613 : ill https://doi.org/10.3390/s23104613 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

High voltage diffusion‐welded stacks on the basis of SiC Schottky diodes
Korolkov, Oleg; **Sleptšuk, Natalja**; **Annus, Paul**; **Land, Raul**; **Rang, Toomas** ICSRM 2015 : program guide 2015 / p. 73

High-accuracy eddy current measurements of metals
Märtens, Olev; **Land, Raul**; **Rist, Marek**; **Pokatilov, Andrei** 2014 IEEE International Workshop On Metrology For Aerospace : May 29-30, 2014, Benevento, Italy : proceedings 2014 / p. 155-160 : ill

High-voltage diffusion‐welded stacks on the basis of SiC Schottky diodes
Korolkov, Oleg; **Sleptšuk, Natalja**; **Annus, Paul**; **Land, Raul**; **Rang, Toomas** Silicon carbide and related materials 2015 (ICSRM 2015) : selected, peer reviewed papers from the 16th International Conference on Silicon Carbide and Related Materials, October 4-9, 2015, Giardini Naxos, Italy 2016 / p. 790-794 : ill https://doi.org/10.4028/www.scientific.net/MSF.858.790 Conference Proceedings at Scopus Article at Scopus

Hindamatud mälestused ei pruugi säilida moodsatel andmekandjatel kuigi kaua
Piir, Rait novaator.err.ee 2024 Hindamatud mälestused ei pruugi säilida moodsatel andmekandjatel kuigi kaua

Home based monitoring system with wireless sensors that confirm stable balance and motor function readings during remission is feasible for patients with multiple sclerosis
Gross-Paju, Katrin; Maamägi, Heigo; Reilent, Enar; **Kuusik, Alar** Journal of the neurological sciences 2017 / p. 436 https://doi.org/10.1016/j.jns.2017.08.3444

Home rehabilitation system supported by the safety model
Kuusik, Alar; **Sarna, Külli**; Reilent, Enar pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 145-151 : ill

Home telecare and rehabilitation system with aspect oriented functional integration
Kuusik, Alar; **Reilent, Enar**; **Sarna, Külli**; **Parve, Marko** Biomedical Engineering = Biomedizinische Technik ; 57 2012 / p. 1004-1007 : ill https://pubmed.ncbi.nlm.nih.gov/23096276/

How many frequencies to use in electrical bioimpedance measurement?
Ojarand, Jaan; **Land, Raul**; **Min, Mart**; **Rist, Marek** International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 24-25 : ill

How many frequencies to use in electrical bioimpedance measurements
Ojarand, Jaan; **Land, Raul**; **Min, Mart**; **Rist, Marek** Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 161–168 : ill http://doi.org/10.1515/9783110558920-016

Human limb model structure optimization with genetic algorithm
Nõmm, Sven; **Vassiljeva, Kristina**; **Kuusik, Alar** EMS2013 : UKSim-AMSS 7th European Modelling Symposium, 20-22 November 2013, Manchester, United Kindgom : [proceedings] 2013 / p. 124-129

Hydromast : a bioinspired flow sensor with accelerometers
Ristolainen, Asko; **Tuhtan, Jeffrey Andrew**; **Kuusik, Alar**; **Kruusmaa, Maarja** Biomimetic and biohybrid systems : 5th International Conference, Living Machines 2016, Edinburgh, UK, July 19-22, 2016 : proceedings 2016 / p. 510-517 : ill https://doi.org/10.1007/978-3-319-42417-0_55 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Hydromorphological classification using synchronous pressure and inertial sensing
Ristolainen, Asko; **Kalev, Kaia**; **Tuhtan, Jeffrey Andrew**; **Kuusik, Alar**; **Kruusmaa, Maarja** IEEE transactions on geoscience and remote sensing 2018 / p. 3222-3232 : ill https://doi.org/10.1109/TGRS.2018.2795641 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Image based counterfeit coin validation
Gavrijaševa, Alina; **Märtens, Olev** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 153-156 : ill

Image processing solutions for precise road profile measurement systems = Pilditöötluse lahendused täpsetele tee profiili mõõtesüsteemidele
Mõlder, Ago 2015 https://www.ester.ee/record=b4476678*est

Immunodetection of Streptococcus uberis pathogen in raw milk
Mihklepp, Kaisa; **Kivirand, Kairi**; Juronen, Delia; **Lõokene, Aivar**; Rinken, Toonika Enzyme and microbial technology 2019 / art. 109360, 6 p. : ill https://doi.org/10.1016/j.enzmictec.2019.109360 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of CFO on low latency-enabled UAV using "Better than Nyquist" pulse shaping in GFDM

Sharma, Navuday; Kumar, Atul; Magarini, Maurizio; Bregni, Stefano 2019 IEEE 89th Vehicular Technology Conference (VTCSpring), Kuala Lumpur, Malaysia, 28 April–1 May 2019 : proceedings 2019 / 6 p. : ill https://doi.org/10.1109/VTCSpring.2019.8746309 Conference proceedings at Scopus Article at Scopus Article at WOS

Impact of power allocation on device-to-device discovery processes
Osman, Essam Abdelsalam; **Khan, Muhidul Islam**; Elgarhy, Osama Mohamed Mostafa; Reggiani, Luca; Mahtab, Muhammad BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p https://doi.org/10.1109/BEC.2018.8600961

The Impact of RAN slice bandwidth subpartitioning on slice performance
Kulmar, Marika; **Müürsepp, Ivo**; **Alam, Muhammad Mahtab** 2022 International Wireless Communications and Mobile Computing (IWCMC) 2022 / p. 419-424 https://doi.org/10.1109/IWCMC55113.2022.9825262

Impedance cardiography signal processing with Savitzky-Golay and frequency sampling kernels
Märtens, Olev; **Metshein, Margus**; **Tamberg, Gert**; **Abdullayev, Anar** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 5 l. https://doi.org/10.1109/BEC56180.2022.9935597

Impedance detection
Min, Mart; **Parve, Toomas**; Pliquett, Uwe Encyclopedia of microfluidics and nanofluidics. 2nd ed 2015 / p. 1338-1361 : ill

Impedance measurement solution based on the high time resolution DSP
Märtens, Olev; **Land, Raul**; **Min, Mart**; **Annus, Paul**; **Rist, Marek** 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), May 25-29, 2020, Dubrovnik, Croatia : proceedings 2020 https://doi.org/10.1109/I2MTC43012.2020.9128843

Implementation and benchmarking of a novel routing protocol for tactical mobile ad-hoc networks
Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; Kadri, Abdullah; Attia, Rabah; Ben Hamida, Elyes 2016 IEEE 12th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob) : 17-19 October 2016, New York, NY, USA 2016 / p. 118-125 : ill https://doi.org/10.1109/WiMOB.2016.7763188

Implementation and demonstration of a device-to-device communication system for emergency and critical scenarios = Seadmetevahelise sidesüsteemi rakendamine ja demonstreerimine hädaolukorra ja kriitiliste juhtumite jaoks
Masood, Ali 2022 https://doi.org/10.23658/taltech.30/2022 https://digikogu.taltech.ee/et/Item/e1879ff7-ee31-4a7b-aa26-01bd973f889f https://www.ester.ee/record=b5502340*est

Improved extraction of information in bioimpedance measurements
Min, Mart; **Paavle, Toivo** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 78 : ill https://doi.org/10.1088/1742-6596/434/1/012029 Conference Proceedings at Scopus Article at Scopus Article at WOS

Improved impedance analyzer with binary excitation signals
Märtens, Olev; **Land, Raul**; **Min, Mart**; **Annus, Paul**; **Rist, Marek**; Reidla, Marko 2015 IEEE 9th International Symposium on Intelligent Signal Processing (WISP 2015) : Siena, Italy, 15-17 May 2015 : [proceedings] 2015 / p. 25-29 : ill

Improved mitigation of self-phase modulation induced impairments in 28 GBaud phase-sensitive amplified links
Astra, Egon; Eliasson, Henrik; **Ruuben, Toomas**; Andrekson, Peter Avo Optics express 2019 / p. 4304-4316 : ill https://doi.org/10.1364/OE.27.004304 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Improved PWM-based sinewave generation : example of the impedance measurement
Abdullayev, Anar; **Annus, Paul**; **Krivošei, Andrei**; **Metshein, Margus**; **Märtens, Olev**; Rist, Marek Automatic control and computer sciences 2023 / p. 449-458 https://doi.org/10.3103/S0146411623050024 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Improvement of lock-in signal converters for application in electrical bio-impedance measurement
Parve, Toomas 2000 http://www.ester.ee/record=b1707856*est

Improving response time of task and Adaboost classifiers in mobile fog computing
Darbanian, Elham; **Rahbari, Dadmehr**; Ghanizadeh, Roghayeh; Nickray, Mohsen Jordanian journal of computers and information technology 2020 / p. 345−360 https://www.ejmanager.com/mnstemps/71/71-1590557276.pdf?t=1608030630

Induction brazing of cermets to steel and eddy current testing of joint quality
Laansoo, Andres; **Kübarsepp, Jakob**; **Surženkov, Andrei**; **Land, Raul**; **Märtens, Olev**; **Viljus, Mart** Welding in the World 2020 / p. 563−571 https://doi.org/10.1007/s40194-020-00854-x Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Inertial and positioning sensors fusion for indirect location tracking in warehouse inventory management

Fjodorov, Aleksei; Ulp, Sander; **Alam, Muhammad Mahtab**; **Kuusik, Alar** 2023 International Conference on Control, Automation and Diagnosis (ICCAD) 2023 / p. 1-7 https://doi.org/10.1109/ICCAD57653.2023.10152404

Influence of the proton irradiation temperature on the characteristics of high-power high-voltage silicon carbide schottky diodes
Kozlovski, Vitali V.; **Korolkov, Oleg**; Davydovskaya, Klavdia S.; Lebedev, Alexander A.; Levinshteĭn, Michael E.; **Sleptšuk, Natalja**; Strel'Chuk, Anatolii M.; **Toompuu, Jana** Technical Physics Letter 2020 / p. 287 - 289 https://doi.org/10.1134/S1063785020030244 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa
2012 http://www.ester.ee/record=b2880291*est

Infotehnoloogia teaduskond
Gordon, Boris; **Velmre, Enn**; **Einer, Lauri**; **Tamm, Uljas**; **Meister, Ants**; **Korsen, Viljo**; **Märtens, Olev**; **Parve, Toomas**; **Ubar, Raimund-Johannes**; **Min, Mart** Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 34-47 : ill https://www.ester.ee/record=b2412718*est

Inhomogeneity correction in calibration of electrical conductivity standards
Pokatilov, Andrei; **Parker, Martin**; Kolyshkin, Andrei; **Märtens, Olev**; **Kübarsepp, Toomas** Measurement 2013 / p. 1535-1540 : ill https://doi.org/10.1016/j.measurement.2012.12.007 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Instrument-free Lab-on-a-Chip DNA amplification test for pathogen detection [Online resource]
Pardy, Tamas; **Rang, Toomas**; Kremer, Clemens; Tulp, Indrek BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600991

Integrated labs for electrical engineering courses in competence based learning environment - practical experience
Jaanus, Martin; **Umbleja, Kadri**; **Udal, Andres**; **Pärnamets, Kaiser** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärdla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill https://doi.org/10.1109/PQ.2019.8818266

Integrated self-regulating resistive heating for isothermal nucleic acid amplification tests (NAAT) in Lab-on-a-Chip (LoC) devices
Pardy, Tamas; Tulp, Indrek; Kremer, Clemens; **Rang, Toomas**; Stewart, Ray PLoS ONE 2017 / p. 1-11 : ill https://doi.org/10.1371/journal.pone.0189968 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Intelligent resource management in mobile edge computing for IIoT applications
2020 https://www.sciencedirect.com/journal/computer-communications/special-issue/10TQNXCXF0J

Inter O-DUs coordination for scheduling of massive users in O-RAN
Latif, Aamir; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** 2023 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit) 2023 / p. 6 https://doi.org/10.1109/EuCNC/6GSummit58263.2023.10188234

Inter-cell interference reduction scheme for uplink transmission in NB-IoT Systems
Mwakwata, Collins Burton; **Elgarhy, Osama Mohamed Mostafa**; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab**; **Pärand, Sven**; **Annus, Ivar** IWCMC 2021 Wireless Sensors & IoT: 2021 International Wireless Communications and Mobile Computing (IWCMC), Harbin, China, June 28 - July 2, 2021 2021 / p. 400-405 https://doi.org/10.1109/IWCMC51323.2021.9498970

Interference and priority aware coexistence (IPC) algorithm for link scheduling in IEEE 802.15.6 based WBANs
Khan, Fawad Nawaz; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Drieberg, Micheal IEEE Access 2019 / art. 8910561, p. 168736–168751 : ill Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Interference-aware radio resource allocation for 5G ultra-reliable low-latency communication
Malik, Hassan; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Ni, Qiang 2018 IEEE Globecom Workshops (GC Wkshps) : proceedings 2018 / p. https://doi.org/10.1109/GLOCOMW.2018.8644301

Internet of drones-enabled Smart Cities
Sharma, Navuday; Magarini, Maurizio; **Alam, Muhammad Mahtab** IoT Architectures, Models, and Platforms for Smart City Applications 2020 / p. 107-133 https://doi.org/10.4018/978-1-7998-1253-1.ch006

Introductory chapter : why do we need rapid detection of pathogens?
Kivirand, Kairi; Rinken, Toonika Biosensing technologies for the detection of pathogens - a prospective way for rapid analysis 2018 / 4 p https://doi.org/10.5772/intechopen.74670

Introductory chapter: The prospective of biosensing in environmental monitoring

Kivirand, Kairi; Rinken, Toonika Biosensors for environmental monitoring 2019 https://doi.org/10.5772/intechopen.85981

Investigation of barrier inhomogeneities and electronic transport on Al-Foil/p-Type-4H-SiCSchottky barrier Diodes using diffusion welding
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas**; **Rashid, Muhammad Haroon** Crystals 2020 / p. 636-647 https://doi.org/10.3390/cryst10080636 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigation of cost-effective carbon nanofiber/carbon fiber and silicone polymer composite material for wearable bioimpedance device
Kõiv, Hip; **Pesti, Ksenija**; **Min, Mart**; **Land, Raul** 2019 IEEE Sensors Applications Symposium (SAS 2019), Sophia Antipolis, France, 11-13 March, 2019 : proceedings 2019 / 6 p https://doi.org/10.1109/SAS.2019.8706026

Investigation of deep level centers in i- and n-layers of GaAs pin-diodes
Toompuu, Jana; **Korolkov, Oleg**; **Sleptšuk, Natalja**; **Rang, Toomas** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 25-28 : ill

Investigation of electrical characteristics of SiC based complementary JBS structures
Kurel, Raido 2005 https://www.ester.ee/record=b2053292*est

Investigation of planar coil for eddy current conductivity measurements in wide frequency range
Parker, Martin; **Pokatilov, Andrei**; **Kübarsepp, Toomas**; **Märtens, Olev**; Kolyshkin, Andrei 19th Symposium IMEKO TC 4 Symposium and 17th IWADC Workshop Advances in Instrumentation and Sensors Interoperability, July 18-19, 2013, Barcelona, Spain 2013 / p. 55-59

Investigation of signal separation for ultrasonic nondestructive evaluation
Peng, Chengxiang; **Ratassepp, Madis**; **Annus, Paul** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l. https://doi.org/10.1109/BEC56180.2022.9935612

Investigation of the graphene-on-silicon-carbide and CVD graphene as a basis for bioimpedance sensor applications : poster
Sleptšuk, Natalja; **Land, Raul**; **Toompuu, Jana**; **Lebedev, Alexander A.**; Davydov, Valery; Eliseyev, Ilya; Kalinina, Evgenia; **Korolkov, Oleg**; **Rang, Toomas** ePosters 2018 / 1 p.: ill https://cdn.technologynetworks.com/ep/pdfs/natalja-sleptsuk-a-raul-land-a-jana-toompuu-a-alexander-lebedev-b-valery-davydov-b-ilya-eliseyev-b.pdf

Investigation of the intermediate layer in the metal-silicon carbide contact obtained by diffusion welding = Difusioonkeevitusega valmistatud metalli ja ränikarbiidi vahelise üleminekuala vahekihi uurimine
Sleptšuk, Natalja 2011 https://www.ester.ee/record=b2692547*est

Ivo Müürsepp: rahastagem vaid erialasid, mida tööturg vajab. Ülejäänud on hobid [Võrguväljaanne]
Müürsepp, Ivo epl.delfi.ee 2022 Ivo Müürsepp: rahastagem vaid erialasid, mida tööturg vajab. Ülejäänud on hobid

Jamming of UAV remote control systems using software defined radio
Pärlin, Karel; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** 2018 International Conference on Military Communications and Information Systems (ICMCIS), 22-23 May 2018 : proceedings 2018 / p. 173-178 http://dx.doi.org/10.1109/ICMCIS.2018.8398711

Joint optimization via deep reinforcement learning in wireless networked controlled systems
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** IEEE Access 2022 / p. 67152-67167 https://doi.org/10.1109/ACCESS.2022.3185244 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Joint PHY-MAC realistic performance evaluation of body-to-body communication in IEEE 802.15.6 and SmartBAN
Khan, Rida; **Alam, Muhammad Mahtab** The 12th International Symposium on Medical Information and Communication Technology : ISMICT 2018, 26-28 March 2018, University of Technology Sydney 2018 / 6 p.: ill http://ismict2018.org/images/Docs-2017/ISMICT-2018-Program---Final.pdf http://dx.doi.org/10.1109/ISMICT.2018.8573715

Jõupooljuhtseadiste numbriliste mudelite väljatöötamine ja rakendamine : ainevaldkond : elektrotehnika : magistritöö
Udal, Andres 1992 http://www.ester.ee/record=b2630327*est

Jälle Kert Kingo - Eesti pidurdab 5G tulevikutehnoloogiat
Müürsepp, I. epl.delfi.ee 2019 Jälle Kert Kingo - Eesti pidurdab 5G tulevikutehnoloogiat

Järgnevatel päevadel võib FM-raadio justkui ise kanalit vahetada
Saar, Sandra novaator.err.ee 2023 "Järgnevatel päevadel võib FM-raadio justkui ise kanalit vahetada"

Kaks uut unikaalset TalTechi magistrikava hakkavad valmistama ette tippspetsialiste strateegiliselt tähtsale IKT valdkonnale

digi.geenius.ee 2023 Kaks uut unikaalset TalTechi magistrikava hakkavad valmistama ette tippspetsialiste strateegiliselt tähtsale IKT valdkonnale

Kuidas selja sirgu saab? Insenerid ja arstid arendasid välja nutikorseti!
Vill, Ants director.ee 2022 https://director.ee/2022/07/14/kuidas-selja-sirgu-saab-insenerid-ja-arstid-arendasid-valja-nutikorseti/

Kuupsatelliit lõpetas ereda leegiga
Imeline Teadus 2024 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

6G-mobiilivõrk peibutab energiasäästu ja täppis-andmesidega
Oidermaa, Jaan-Juhan novaator.err.ee 2023 6G-mobiilivõrk peibutab energiasäästu ja täppis-andmesidega Ekspert: 5G jõuab tavakasutusse viie aastaga, 6G tuleb järgmisel kümnendil

60 aastat elektroonikainstituuti : 1962-2022
2023 https://www.ester.ee/record=b5557188*est

Kõrgsageduslik lülitirežiimne sünkroondetektor : magistritöö
Kuusik, Alar 1995 https://www.ester.ee/record=b2680357*est

Laia keelutsooniga pooljuhtmaterjalidel põhinevad pooljuhtseadised
Rang, Toomas; **Rang, Galina** Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 169-176 : ill., fot https://www.ester.ee/record=b5208765*est

Laser line detection with sub-pixel accuracy
Mölder, Ago; **Märtens, Olev**; **Saar, Tõnis**; **Land, Raul** Elektronika ir elektrotechnika = Electronics and electrical engineering 2014 / p. 132-135 : ill https://doi.org/10.5755/j01.eee.20.5.7114 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Laser scanner calibration dependency on the line detection method
Mölder, Ago; **Märtens, Olev**; **Saar, Tõnis**; **Land, Raul** Elektronika ir elektrotechnika = Electronics and electrical engineering 2015 / p. 66-69 : ill https://doi.org/10.5755/j01.eee.21.6.13765 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Latest research trends in gait analysis using wearable sensors and machine learning: A systematic review
Saboor, Abdul; **Kask, Triin**; **Kuusik, Alar**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** IEEE Access 2020 / art. 3022818, p. 167830−167864 https://doi.org/10.1109/ACCESS.2020.3022818 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Limitation of signal amplitudes in bioimpedance spectroscopy
Ojarand, Jaan; **Rist, Marek**; **Min, Mart** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 68

Limiting exposure to radiofrequency radiation : the principles and possible criteria for health protection
Hinrikus, Hiie; **Koppel, Tarmo**; **Lass, Jaanus**; **Roosipuu, Priit**; **Bachmann, Maie** International Journal of Radiation Biology 2023 / p. 1167-1177 https://doi.org/10.1080/09553002.2023.2159567 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Lock-in integration for detection of tiny bioimpedance variations [Online resource]
Priidel, Eiko; **Annus, Paul**; **Metshein, Margus**; **Land, Raul**; **Märtens, Olev**; **Min, Mart** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600965

Long-haul optical transmission link using low-noise phase-sensitive amplifiers
Olsson, Samuel L. I.; Eliasson, Henrik; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter Avo Nature communications 2018 / art. 2513, 7 p. : ill https://doi.org/10.1038/s41467-018-04956-5 Eesti 27 aastat internetis välismaailmaga: teadlaste uus andmeedastustehnoloogia Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low noise LDO architecture with consideration for low voltage operation
Mihhailov, Juri; Strik, Viktor; Strik, Sergei; **Rang, Toomas** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 41-44 : ill

Low-cost open-source flow velocity sensor for droplet generators
Prabatama, Nicky Andre; **Jõemaa, Rauno**; Hegedus, Kristof; **Pardy, Tamas** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / p. 1-4 https://doi.org/10.1109/BEC56180.2022.9935606

Low-cost, portable dual-channel pressure pump for droplet microfluidics
Jõemaa, Rauno; **Grosberg, Martin**; **Rang, Toomas**; **Pardy, Tamas** 2022 45th Jubilee International Convention on Information, Communication and Electronic Technology (MIPRO), 23-27 May 2022, Opatija, Croatia : proceedings 2022 / p. 205-211 : ill https://doi.org/10.23919/MIPRO55190.2022.9803371

Low-temperature annealing of lightly doped n-4H-SiC layers after irradiation with fast electrons
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Semiconductors 2019 / p. 975−978 https://doi.org/10.1134/S1063782619070133 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

LQG flight control of VTAV for enhanced situational awareness
Astrov, Igor; **Pikkov, Mihhail**; **Paluoja, Rein** World Academy of Science, Engineering and Technology. International journal of mechanical, industrial science and engineering 2013 / p. 981-986 : ill

Lucia Compendium : Sustainable and Smart Urban Lighting
Bunte, Heike; Jacob, Thomas; Haapanen, Topi; Enevold, Sif; **Le Moullec, Yannick** 2020 https://digikogu.taltech.ee/et/Item/f4d273f6-e506-4b7f-b658-13bc225b6960 https://www.ester.ee/record=b5375097*est

LUCIA Compendium. Volume 2 : deployment of sustainable and smart urban lighting
Korõtko, Tarmo; Bunte, Heike; Tallo, Eva; Šponberga, Ieva; Potrykus, Yolanda; Nurulin, Yury; Axelsen, Teddy Sibbern 2022 https://lucia-project.eu/wp-content/uploads/2022/04/LUCIA-Compendium-vol2.pdf https://www.ester.ee/record=b5495404*est

Maailma muutvad tilgad
Pardy, Tamas; **Vaaks, Eveliis** Trialoog 2025 https://trialoog.taltech.ee/maailma-muutvad-tilgad/

A machine learning approach to achieving energy efficiency in relay-assisted LTE-a downlink system
Hassan, Hammad; Ahmed, Ifran; Ahmad, Rizwan; Khammari, Hedi; Bhatti, Ghulam; Ahmed, Waqas; **Alam, Muhammad Mahtab** Sensors 2019 / art. 3461, 25 p. : ill https://doi.org/10.3390/s19163461 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Machine learning meets communication networks : current trends and future challenges
Ahmad, Ijaz; Shahabuddin, Shariar; Malik, Hassan; Leppänen, Teemu; Loven, Lauri; Anttonen, Antti; Sodhro, Ali Hassan; **Alam, Muhammad Mahtab**; Juntti, Markku; Yla-Jääski, Antti IEEE Access 2020 / art. 9274307, p. 223418-223460 https://doi.org/10.1109/ACCESS.2020.3041765 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Machine learning techniques for wireless-powered ambient backscatter communications : enabling intelligent iot networks in 6g era
Jameel, Furqan; **Sharma, Navuday**; Khan, Muhammad Awais; Khan, Imran; **Alam, Muhammad Mahtab**; Alam, Muhammad Mahtab; Mavromoustakis, Constandinos X. Internet of Things / 2020 https://doi.org/10.1007/978-3-030-44907-0_8 Article collection metrics at Scopus Article at Scopus

Magnetic induction sensor for the respiration monitoring
Ojarand, Jaan; Pille, Siim; **Min, Mart**; **Land, Raul**; **Oleitšuk, J.** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Majanduskomisjon 2010–2016
Rang, Toomas Uuele kvaliteedile ja väärikale positsioonile : Tallinna Tehnikaülikool 2000-2015 2018 / lk. 248-263 http://www.ester.ee/record=b4775778*est https://digi.lib.ttu.ee/i/?10910

Management closed control loop automation for improved RAN slice performance by subslicing
Kulmar, Marika; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo** IEEE Access 2024 / p. 103082-103095 https://doi.org/10.1109/ACCESS.2024.3433475

Management closed control loop automation for improved RAN slice performance by subslicing : preprint
Kulmar, Marika; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo** techrxiv.org 2023 / 18 p. : ill https://doi.org/10.36227/techrxiv.170290948.88447519/v1

Managing critical nodes in UAV assisted disaster networks
Hassan, Ali; Ahmad, Rizwan; Ahmed, Waqas; Magarini, Maurizio; **Alam, Muhammad Mahtab** 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2021 / 6 p. : ill https://doi.org/10.1109/BEC49624.2020.9276993

Masinõpe toetab maksimaalselt kiiret ja tõrgeteta tootmist
Alvela, Ain ohtuleht.ee 2024 Masinõpe toetab maksimaalselt kiiret ja tõrgeteta tootmist

Materials and contact characterisation VIII
2017 https://www.witpress.com/books/978-1-78466-197-7

Mathematical and physical modelling of dynamic electrical impedance = Dünaamilise impedantsi matemaatiline ja füüsikaline modelleerimine
Giannoukos, Georgios 2016 https://digi.lib.ttu.ee/i/?5654 https://www.ester.ee/record=b4579206*est

Mathematical and physical modelling of the dynamic electrical bioimpedance
Giannoukos, Georgios; **Min, Mart** International journal of circuits, systems and signal processing 2014 / p. 600-606 : ill https://www.naun.org/main/NAUN/circuitssystemssignal/2014/a542005-049.pdf Journal metrics at Scopus Article at Scopus

Mathematical and physical modelling of the dynamic electrical impedance of a tooth
Giannoukos, Georgios; **Min, Mart** Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014) : Rhodes, Greece, 22-28 September 2014 2015 / p. 850002-1 - 850002-4 https://doi.org/10.1063/1.4913057 Conference proceedings at Scopus Article at Scopus Article at WOS

Mathematical and physical modelling of the dynamic fluidic impedance of arteries using electrical impedance equivalents
Giannoukos, Georgios; **Min, Mart** Mathematical methods in the applied sciences 2014 / p. 711 - 717 : ill https://doi.org/10.1002/mma.2829 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mathematical modelling of the dynamic electrical impedance of a parallel RC circuit using a Wien bridge oscillator
Giannoukos, Georgios; **Min, Mart** Journal of computational methods in sciences and engineering 2015 / p. 287-293 https://doi.org/10.3233/JCM-150543 Journal metrics at Scopus Article at Scopus

Matrix Profile based anomaly detection in streaming gait data for fall prevention
Gerazov, Branislav; Hadjieva, Elena; **Krivošei, Andrei**; **Sanchez, Fiorella Ines Soto**; **Rostovski, Jakob**; **Kuusik, Alar**; **Alam, Muhammad Mahtab** 2023 30th International Conference on Systems, Signals and Image Processing (IWSSIP) 2023 / p. 1-5 https://doi.org/10.1109/IWSSIP58668.2023.10180243

Method and system for real-time motion abnormality detection
Krivošei, Andrei; **Kuusik, Alar**; **Rostovski, Jakob**; **Alam, Muhammad Mahtab** 2024 https://patentscope2.wipo.int/search/ar/detail.jsf;jsessionid=4F73F7EDD8684B2050668D97A6E3E4BC?docId=WO2024257016&_cid=JP2-M52SGO-27841-1

Method for wideband signal digitizing and their real-time reconstruction in enlarged dynamic range
Biblinskis, I.; Sudars, K.; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2014 / p. 110-113 : ill https://doi.org/10.5755/j01.eee.20.6.7279 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A method of intra-ventricular bioimpedance spectroscopy to estimate the dynamic volume of right ventricle
Kink, Andres; **Rist, Marek**; **Land, Raul**; **Kõiv, Hip**; **Min, Mart** Impedance spectroscopy : advanced applications : battery research, bioimpedance, system design 2018 / p. 169–176 : ill https://doi.org/10.1515/9783110558920-017

Method of samples preparation intended for research of deep centers in i-, n-, and p-layers of GaAs p^+-pin-n^+ structures and result of analysis
Toompuu, Jana; **Sleptšuk, Natalja**; **Korolkov, Oleg**; **Rang, Toomas** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 35-38 : ill http://www.ester.ee/record=b2150914*est

Methods for detection of bioimpedance variations in resource constrained environments
Priidel, Eiko; **Annus, Paul**; **Krivošei, Andrei**; **Rist, Marek**; **Land, Raul**; **Min, Mart**; **Märtens, Olev** Sensors 2020 / art. 1363, 16 p. : ill https://doi.org/10.3390/s20051363 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Methods for increased sensitivity and scope in automatic segmentation and detection of lung nodules in CT images
Gupta, Anindya; **Märtens, Olev**; **Le Moullec, Yannick**; **Saar, Tõnis** The 15th IEEE International Symposium on Signal Processing and Information Technology ISSPIT 2015 : December 7-10, 2015, Abu Dhabi, UAE : proceedings 2015 / p. 370-375 : ill

Microfluidic droplet classification through tuned convolutional neural network on a resource constrained platform
Afrin, Fariha; **Le Moullec, Yannick**; **Pardy, Tamas** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 4 p https://doi.org/10.1109/BEC61458.2024.10737958 Conference proceedings at Scopus Article at Scopus Article at WOS

Microfluidic Droplet Detection, Classification and Quality Assessment for Embedded Flow Cytometry Systems = Tilkade tuvastamine mikrofluidikas, nende klassifitseerimine ja kvaliteedi hindamine sardsetes voolutsütomeetria süsteemides
Afrin, Fariha 2025 https://www.ester.ee/record=b5758191*est https://digikogu.taltech.ee/et/Item/fa72df11-6487-4314-bd3d-5a7b1f5a263e https://doi.org/10.23658/taltech.57/2025

Microheating solution for molecular diagnostics devices = Mikrosoojendamine molekulaardiagnostika seadistes
Pardy, Tamas 2018 https://digi.lib.ttu.ee/i/?9249 https://www.ester.ee/record=b4759173*est

Militaarobjektide valvetehnoloogia areng
Udal, Andres; **Kaugerand, Jaanus**; **Savimaa, Raul**; **Märtens, Olev** Sõjateadlane = Estonian journal of military studies 2023 / lk. 194-224 : ill Militaarobjektide valvetehnoloogia areng https://www.kvak.ee/sojateadlane22/ https://www.ester.ee/record=b4555087*est

Model based method for adaptive decomposition of the thoracic bio-impedance variations into cardiac and respiratory components = Mudelipõhine meetod torso bioimpedantsi muutuste adaptiivseks dekompositsiooniks südametegevuse ja hingamise komponentideks
Krivošei, Andrei 2009 https://www.ester.ee/record=b2508758*est

Model-based service provisioning in optical networks
Karunakaran, Vignesh; Müller, Jasper; Slyne, Frank; **Kaeval, Kaida**; Troia, Sebastian; Autenrieth, Achim; Kilper, Daniel C.; Bauschert, Thomas; Ruffini, Marco ECOC 2023 : 49th European Conference on Optical Communications, 1-5 October 2023 2024 / p. 1039-1042 https://doi.org/10.1049/icp.2023.2429 https://digital-library.theiet.org/docserver/fulltext/cp839/ICP.2023.2429.pdf?expires=1727158709&id=id&accname=guest&checksum=7B52C0279E1600FDE3FC6BECEED8CE4F Conference Proceedings at Scopus Article at Scopus

Model-based system architecture for event-triggered wireless control of bio-analytical devices
Ashraf, Kanwal; **Le Moullec, Yannick**; **Pardy, Tamas**; **Rang, Toomas** 2021 24th Euromicro Conference on Digital System Design (DSD), 01-03 September 2021 2021 / p. 465–471 : ill https://doi.org/10.1109/DSD53832.2021.00076

Modeling and implementation of linear energy prediction for energy harvesting in intermittently powered wireless sensor nodes = Katkendliku toitega traadita sensorsõlmede energiakorje tulemuse lineaarne ennustus, modelleerimine ja rakendused
Ahmed, Faisal 2018 https://digi.lib.ttu.ee/i/?9955 https://www.ester.ee/record=b5056543*est

Modeling and simulations of 4H-SiC/6H-SiC/4H-SiC single quantum-well light emitting diode using diffusion bonding technique
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Micromachines 2021 / art. 1499 https://doi.org/10.3390/mi12121499 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modeling the dynamics of lung tissue with pulsating blood-flow in pulmonary arteries for bioimpedance simulation
Gordon, Rauno; **Annus, Paul** International Workshop on Impedance Spectroscopy : IWIS 2013 : abstract book : September 25-27, 2013, Chemnitz University of Technology, Germany 2013 / p. 94-65 : ill

Modelling and experimental characterisation of self-regulating resistive heating elements for disposable medical diagnostics devices
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Materials characterization VII 2015 / p. 263-271 : ill

Modelling and experimental characterisation of thermoelectric heating for molecular diagnostics devices
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 27-30 : ill http://www.ester.ee/record=b2150914*est

Modelling and simulation of arterial blood pulsation via bioimpedance = Arteriaalse verepulsatsiooni modelleerimine ja simuleerimine bioimpedantsi kaudu
Pesti, Ksenija 2021 https://www.ester.ee/record=b5436843*est https://digikogu.taltech.ee/et/Item/7fe2bc87-aa1a-4214-9971-fc938313bd28 https://doi.org/10.23658/taltech.34/2021

Modelling of cardiac dynamics and intracardiac bioimpedance = Südame dünaamika ja südamesisese bioimpedantsi modelleerimine
Gordon, Rauno 2007 https://digi.lib.ttu.ee/i/?147

Modelling of dynamic electrical bioimpedance and measurements safety
Giannoukos, Georgios; **Min, Mart** AASRI procedia 2014 / p. 12-18 : ill

Modelling of the tunneling current in metal alloy contacts to 6H- and 4H-SiC substrates
Rang, Toomas MICROSIM II : simulation and design of microsystems and microstructures 1997 / p. 23-31 : ill

Modern methods and devices for cardiac rhythm management : Introductory chapter
Min, Mart; Cismaru, Gabriel Cardiac Rhythm Management - Pacing, Ablation, Devices 2022 https://doi.org/10.5772/intechopen.104947

A modular 6LoWPAN-based wireless sensor body area network for health-monitoring applications
Le Moullec, Yannick; **Lecat, Yoann**; **Annus, Paul**; **Land, Raul**; **Kuusik, Alar**; **Reidla, Marko**; **Hollstein, Thomas**; **Reinsalu, Uljana**; **Tammemäe, Kalle**; **Ruberg, Priit** APSIPA ASC 2014 : Asia-Pacific Signal and Information Processing Association Annual Summit and Conference 2014 : December 9-12, 2014, Siem Reap, city of Angkor Wat, Cambodia 2014 / [4] p. : ill

Modular system for fast impedance spectrum analysis of biomedical objects
Rist, Marek; **Reidla, Marko**; **Märtens, Olev**; **Land, Raul**; **Min, Mart**; **Parve, Toomas**; **Annus, Paul** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 151 : ill

Modular system for spectral analysis of time-variant impedances
Rist, Marek; **Reidla, Marko**; **Land, Raul**; **Parve, Toomas**; **Märtens, Olev**; **Annus, Paul**; **Ojarand, Jaan**; **Min, Mart** 6th European Conference of the International Federation for Medical and Biological Engineering : MBEC 2014, 7-11 September 2014, Dubrovnik, Croatia 2015 / p. 858-861 : ill https://doi.org/10.1007/978-3-319-11128-5_213 Conference proceedings at Scopus Article at Scopus Article at WOS

Modular, dual-tone piezoelectric micropump driver for low-cost, portable droplet generation
Jõemaa, Rauno; **Pardy, Tamas** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p https://doi.org/10.1109/BEC61458.2024.10737948 Conference proceedings at Scopus Article at Scopus Article at WOS

Motion control of an autonomous surface vessel for enhanced situational awareness
Astrov, Igor; **Pikkov, Mihhail**; **Paluoja, Rein** World Academy of Science, Engineering and Technology. International journal of mechanical, industrial science and engineering 2013 / p. 1203-1208 : ill

Motion control of vectored thrust aerial vehicle for enhanced situational awareness
Astrov, Igor; **Pikkov, Mihhail**; **Paluoja, Rein** Mathematical applications in science and mechanics : [proceedings of the conferences : Dubrovnik, Croatia, June 25-27, 2013] 2013 / p. 59-64 : ill

A multi-armed bandit solver method for adaptive power allocation in device-to-device communication
Khan, Muhidul Islam; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** Procedia computer science 2018 / p. 1069-1076 https://doi.org/10.1016/j.procs.2018.04.155 Conference Proceedings at Scopus Article at Scopus Article at WOS

Multichannel bioimpedance spectroscopy : instrumentation methods and design principles = Paljukanaliline bioimpedantsspektroskoopia : mõõtemeetodid ja disaini printsiibid
Annus, Paul 2009 http://www.ester.ee/record=b2557759*est

Multichannel electrical impedance spectroscopy analyzer with microfluidic sensors
Ojarand, Jaan; **Min, Mart**; **Koel, Ants** Sensors 2019 / art. 1891, 28 p. : ill https://doi.org/10.3390/s19081891 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A multi-perspective methodology for agent-oriented business modelling and simulation
Taveter, Kuldar 2004 http://www.ester.ee/record=b1910546*est

Mõõtetehnilised lülitirežiimsed sünkroonmudelid : magistritöö
Parve, Toomas 1992 http://www.ester.ee/record=b2630384*est

Nafion as a protective membrane for screen-printed pH-sensitive ruthenium oxide electrodes
Lazouskaya, Maryna; **Tamm, Martti**; **Scheler, Ott**; Uppuluri, Kiranmai; Zaraska, Krzysztof 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 4 p. : ill https://doi.org/10.1109/BEC49624.2020.9276822

Nano- and Micro-Scale simulations of Ge/3C-SiC and Ge/4H-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2019 : 18th International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), Kyoto, Japan, September 29 - October 4, 2019 Materials science forum 2020 / p. 490-496 https://doi.org/10.4028/www.scientific.net/MSF.1004.490 Conference proceedings at Scopus Article at Scopus

Nano and micro-scale simulations of Si/4H-SiC and Si/3C-SiC NN-heterojunction diodes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon Carbide and Related Materials 2018 : 12thEuropean Conference on Silicon Carbide and Related Materials (ECSCRM 2018) : Selected, peer reviewed papers from the European Conference on Silicon Carbide and Related Materials (ECSCRM 2018), September 2-6, 2018,Birmingham, UK 2019 / p. 357–361 https://doi.org/10.4028/www.scientific.net/MSF.963.357 Conference proceeding at Scopus Article at Scopus

Nanoparticulate dielectric overlayer for enhanced electric fields in a capacitive deionization device
Laxman, Karthik; Kimoto, Daiki; **Sahakyan, Armen**; Dutta, Joydeep ACS applied materials and interfaces 2018 / 8 p. : ill. https://doi.org/10.1021/acsami.7b16540 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nanoscale and microscale simulations of N-N junction heterostructures of 3C-4H silicon carbide
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; **Gähwiler, Reto**; **Grosberg, Martin**; **Jõemaa, Rauno** Materials and contact characterisation VIII 2017 / p. 235-248 : ill https://doi.org/10.2495/MC170241 Conference proceedings at Scopus Article at Scopus

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 1, Tuumik-sõnavara = Nanotechnologies : vocabulary. Part 1, Core terms (ISO/TS 80004-1:2010)
2015 http://www.ester.ee/record=b4454097*est

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 1, Tuumik-sõnavara = Nanotechnologies : vocabulary. Part 1, Core terms (ISO/TS 80004-1:2015)
2016 http://www.ester.ee/record=b4601747*est

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 3, Süsinik-nanoobjektid = Nanotechnologies : vocabulary. Part 3, Carbon nano-objects (ISO/TS 80004-3:2010)
2015 http://www.ester.ee/record=b4454176*est

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 4, Nanostruktuur-materjalid = Nanotechnologies : vocabulary. Part 4, Nanostructured materials (ISO/TS 80004-4:2011)
2015 http://www.ester.ee/record=b4454176*est

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 6, Nanoobjektide karakteriseerimine = Nanotechnologies : vocabulary. Part 6, Nano-object characterization (ISO/TS 80004-6:2013)
2015 http://www.ester.ee/record=b4483533*est

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 6, Nanoobjektide karakteriseerimine = Nanotechnologies : vocabulary. Part 6, Nano-object characterization (ISO/TS 80004-6:2013)
2015 http://www.ester.ee/record=b4457416*est

Nanotehnoloogiad [Võrguteavik] : sõnastik. Osa 8, Nanotootmisprotsessid = Nanotechnologies : vocabulary. Part 8, Nanomanufacturing processes (ISO/TS 80004-8:2013)
2015 http://www.ester.ee/record=b4531230*est

Narrowband internet of things (NB-IoT) : from physical (PHY) and media access control (MAC) layers perspectives
Mwakwata, Collins Burton; **Malik, Hassan**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Pärand, Sven; Mumtaz, Shahid Sensors 2019 / art. 2613, 34 p.: ill https://doi.org/10.3390/s19112613 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Narrowband Internet of Things (NB-IoT) : from physical (PHY) and Media Access Control (MAC) layers perspectives : [an article in collection]
Mwakwata, Collins Burton; **Malik, Hassan**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Pärand, Sven; Mumtaz, Shahid Internet of things and sensors networks in 5G wireless communications 2020 / p. 39-72 : ill https://doi.org/10.3390/books978-3-03928-149-7 https://doi.org/10.3390/s19112613

Narrowband internet of things (NB-IoT) : from radio network coverage to device energy consumption modeling and energy-e□cient application = Kitsaribaline asjade internet (NB-IoT) : raadiovõrgu katvusest seadme energiatarbe modelleerimise ja energiasäästliku rakenduseni
Khan, Sikandar Muhammad Zulqarnain 2022 https://www.ester.ee/record=b5491661*est https://digikogu.taltech.ee/et/Item/8244be00-273d-4d45-a34a-27f0f4350d32

Narrowband internet of things (NB▮IoT) for industrial automation
Malik, Hassan; **Alam, Muhammad Mahtab**; **Kuusik, Alar**; **Le Moullec, Yannick**; Pärand, Sven Wireless automation as an enabler for the next lidustrial revolution 2020 / p. 65-87 https://doi.org/10.1002/9781119552635.ch4

NarrowBand-IoT performance analysis for healthcare applications
Malik, Hassan; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Kuusik, Alar** Procedia computer science 2018 / p. 1077–1083 https://doi.org/10.1016/j.procs.2018.04.156 Conference Proceedings at Scopus Article at Scopus Article at WOS

An NB-IoT based edge-of-things framework for energy-efficient image transfer
Khan, Sikandar Muhammad Zulqarnain; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** Sensors 2021 / art. 5929, 21 p. : ill https://doi.org/10.3390/s21175929 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

NB-IoT based visual smart waste management system
Zulqarnain Khan, Sikandar; **Hein, Haigo**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Pärand, Sven 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. : ill https://doi.org/10.1109/BEC56180.2022.9935601

NB-IoT network field trial : indoor, outdoor and underground coverage campaign
Malik, Hassan; **Khan, Sikandar Muhammad Zulqarnain**; **Sarmiento, Jeffrey Leonel Redondo**; **Kuusik, Alar**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Pärand, Sven** IWCMC 2019 : 15th International Wireless Communications & Mobile Computing Conference (IWCMC), June 24–28, 2019, Tangier, Morocco 2019 / p. 537-542 : ill https://doi.org/10.1109/IWCMC.2019.8766568

NB-IoT-võrgu uuring : katvus sise-, välis- ja maa-alustes tingimustes
Malik, Hassan; **Khan, Sikandar Muhammad Zulqarnain**; **Sarimento, Jeffrey Leonel Redondo**; **Mwakwata, Collins Burton**; **Alam, Muhammad Mahtab**; **Le Menach, Yvonnick**; Pärand, Sven Elektriala 2019 / lk. 14-18 : ill
http://www.ester.ee/record=b1240496*est

Network coding and hierarchical modulation for energy efficient cooperative WBAN
Waheed, Maham; Talha, Sadaf; Ahmad, Rizwan; Kiani, Adnan Khalid; **Alam, Muhammad Mahtab**; Ahmed, Waqas International journal of distributed systems and technologies 2019 / p. 90-111 https://doi.org/10.4018/IJDST.2019070106 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Network coding for energy efficient transmission in Wireless Body Area Networks
Talha, Sadaf; Rizwan, Ahmad; Adnan, K. Kiani; **Alam, Muhammad Mahtab** Procedia computer science 2017 / p. 435-440 : ill
https://doi.org/10.1016/j.procs.2017.08.285 Conference proceedings at Scopus Article at Scopus Article at WOS

Non-destructive eddy current measurments for silicon carbide heterostructure analysis
Sahakyan, Armen; **Koel, Ants**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 49-60 : ill
https://doi.org/10.2495/MC170061 Conference proceedings at Scopus Article at Scopus

Noninvasive acquisition of the aortic blood pressure waveform
Min, Mart; **Kõiv, Hip**; **Priidel, Eiko**; **Pesti, Ksenija**; **Annus, Paul** Wearable devices 2019 / 16 p. : ill
https://doi.org/10.5772/intechopen.86065

Noninvasive measuring of breathing and pulse of a human by the means of electrical bioimpedance
Metshein, Margus Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 75-78 : ill

Non-invasive method for the aortic blood pressure waveform estimation using the measured radial EBI
Krivošei, Andrei; **Lamp, Jürgen**; **Min, Mart**; **Uuetoa, Tiina**; **Uuetoa, Hasso**; **Annus, Paul** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 121 : ill https://doi.org/10.1088/1742-6596/434/1/012048 Conference Proceedings at Scopus Article at Scopus Article at WOS

Non-Line of Sight detection based on 5G signal strength- and quality measurements and its impact on mobile positioning accuracy
Müürsepp, Ivo; **Fjodorov, Aleksei**; **Alam, Muhammad Mahtab** 2024 International Wireless Communications and Mobile Computing (IWCMC) 2024 / p. 256-261 https://doi.org/10.1109/IWCMC61514.2024.10592586

Non-standard electrode placement strategies for ECG signal acquisition
Metshein, Margus; **Krivošei, Andrei**; **Abdullayev, Anar**; **Annus, Paul**; **Märtens, Olev** Sensors 2022 / art. 9351
https://doi.org/10.3390/s22239351 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Notes on applicability of the impedance spectroscopy for characterization of materials and substances
Annus, Paul; **Land, Raul**; **Min, Mart**; Reidla, Marko; **Rist, Marek** I2MTC 2016 : 2016 IEEE International Instrumentation and Measurement Technology Conference : May 23-26, 2016, Taipei International Convention Center, Taipei, Taiwan : proceedings 2016 / p. 1052-1057 : ill https://doi.org/10.1109/I2MTC.2016.7520513 Conference Proceedings at Scopus Article at Scopus Article at WOS

Notes on signals for simultaneous multipoint impedance spectroscopy
Priidel, Eiko; **Min, Mart**; **Annus, Paul** International Workshop on Impedance Spectroscopy : IWIS 2016 : September 26-28, 2016, Technische Universität Chemnitz, Germany : abstract book 2016 / p. 6-7 : ill

Novel active-passive two-way ranging protocols for UWB positioning systems
Laadung, Taavi; Ulp, Sander; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** IEEE sensors journal 2022 / p. 5223-5237 : ill
https://doi.org/10.1109/JSEN.2021.3125570 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Novel data dependent divider circuit block implementation for complex division and area critical applications
Patankar, Udayan Sunil; Flores, Miguel E.; **Koel, Ants** Scientific reports 2023 / art. 3027, 28 p. : ill https://doi.org/10.1038/s41598-023-28343-3 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A novel multi-hop body-to-body routing protocol for disaster and emergency networks
Ben Arbia, Dhafer; **Alam, Muhammad Mahtab**; Attia, Rabah; Ben Hamida, Elyes 2016 International Conference on Wireless Networks and Mobile Communications (WINCOM'2016) : October 26-29, 2016 Fez, Morocco 2016 / p. 1-7 : ill
https://doi.org/10.1109/WINCOM.2016.7777222

Novel real-time in-step gait anomaly detection algorithms
Rostovski, Jakob; **Krivošei, Andrei**; **Kuusik, Alar**; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** techrxiv.org 2024
https://doi.org/10.36227/techrxiv.171173236.66440239/v1

Numerical analysis of the influence of deep energy level traps in SiC Schottky structures
Koel, Ants; **Rang, Toomas**; **Rang, Galina** High performance structure and materials. VI 2012 / p. 439-448 : ill

Numerical aspects of the development of quantum cascade laser simulation software
Reeder, Reeno; **Udal, Andres**; **Velmre, Enn**; Valavanis, Alexander BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 37-40 : ill

Numerical simulation of P-type Al/4H-SiC Schottky barrier diodes [Online resource]
Ziko, Mehadi Hasan; **Koel, Ants**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill
https://doi.org/10.1109/BEC.2018.8600976

Numerical simulations of wideband SiC N-N heterostructure diode
Patankar, Udayan Sunil; **Koel, Ants**; **Pardy, Tamas** LAEDC 2020 : Latin American Electron Devices Conference, San José, Costa Rica, February 25-28, 2020 2020 / 4 p https://doi.org/10.1109/LAEDC49063.2020.9073489

Observations concerning the results of capacitive monitoring of breathing and heart rate by the means of electrical bioimpedance
Metshein, Margus The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

On coverage of critical nodes in UAV-assisted emergency networks
Waheed, Maham; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Magarini, Maurizio Sensors 2023 / art. 1586 https://doi.org/10.3390/s23031586 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On research challenges in hybrid medium-access control protocols for IEEE 802.15.6 WBANs
Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan Khalid; **Le Moullec, Yannick**; **Alam, Muhammad Mahtab** IEEE Sensors Journal 2019 / p. 8543 - 8555 https://doi.org/10.1109/JSEN.2018.2883786 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the possibility of detecting the electrical bioimpedance of human body by using non-contact electrodes in capacitive connection
Metshein, Margus; **Gordon, Rauno** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 171-174 : ill
http://www.ester.ee/record=b2150914*est

On the selection of excitation signals for the fast spectroscopy of electrical bioimpedance
Ojarand, Jaan; **Min, Mart** Journal of electrical bioimpedance 2018 / p. 133-141 : ill https://doi.org/10.2478/joeb-2018-0018 Journal metrics at Scopus Article at Scopus

On-demand ultra-dense cloud drone networks : opportunities, challenges and benefits
Sharma, Navuday; Magarini, Maurizio; Jayakody, Dushantha Nalin K. IEEE Communications Magazine 2018 / p. 85–91 : ill
http://dx.doi.org/10.1109/MCOM.2018.1701001

On-Desk Model-Based Study for Evaluating the Effect of Squeezing the Arteries in the Forearm on the Bioimpedance and Pressure of Blood
Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Rist, Marek**; **Min, Mart**; Lotamõis, Kristina; **Märtens, Olev** Journal of sensors 2023 / art. 5710835 https://doi.org/10.1155/2023/5710835 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Open source hardware cost-effective imaging sensors for high-throughput droplet microfluidic systems
Pärnamets, Kaiser; **Koel, Ants**; **Pardy, Tamas**; **Rang, Toomas** Proceedings of 26th International Conference : ELECTRONICS 2022 2022 / 6 p https://doi.org/10.1109/IEEECONF55059.2022.9810383

Operating wireless sensor nodes without energy storage : experimental results with transient computing
Ahmed, Faisal; **Ahmed, Tauseef**; Muhammad, Yar; **Le Moullec, Yannick**; **Annus, Paul** Electronics 2016 / art. 89, p. 1-14 : ill
https://doi.org/10.3390/electronics5040089 Journal metrics at scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical detection methods for droplet microfluidic applications = Optilised tuvastusmeetodid tilkade mikrofluidiliste rakenduste jaoks
Pärnamets, Kaiser 2023 https://doi.org/10.23658/taltech.31/2023 https://digikogu.taltech.ee/et/Item/ffb85150-fb85-4a7c-b130-0d7f2c3b7fb5
https://www.ester.ee/record=b5569973*est

Optical detection methods for high-throughput fluorescent droplet microflow cytometry
Pärnamets, Kaiser; **Pardy, Tamas**; **Koel, Ants**; **Rang, Toomas**; **Scheler, Ott**; **Le Moullec, Yannick**; **Afrin, Fariha** Micromachines 2021 / art. 345, 20 p. : ill https://doi.org/10.3390/mi12030345 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical dynamics of copper-doped cadmium sulfide (CdS) and zinc sulfide (ZnS) quantum-dots core/shell nanocrystals
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; Nasir, Nadeem; Sabir, Nadeem; Ameen, Faheem; Rasheed, Abher Nanomaterials 2022 / art. 2277 https://doi.org/10.3390/nano12132277 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optical spectrum as a service in multi-operator environments: challenges and enabling technologies for transparent optical opverlay networks
Kaeval, Kaida; Grobe, Klaus; Elbers, Jörg-Peter Optical Fiber Communications Conference and Exhibition, OFC 2024 : proceedings 2024 / art. Th1G.3 https://doi.org/10.1364/OFC.2024.Th1G.3

Optimal sliding window selection in non-overlapping backoff algorithm for IEEE 802.15.6 WBAN
Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Radwan, Ayman IEEE communications letters 2024 / p. 1467-1471 https://doi.org/10.1109/LCOMM.2024.3384755 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Optimisation of multisine waveform for bio-impedance spectroscopy
Ojarand, Jaan; **Annus, Paul**; **Min, Mart** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 79 : ill https://doi.org/10.1088/1742-6596/434/1/012030 Conference Proceedings at Scopus Article at Scopus Article at WOS

Optimising full waveform inversion with inhomogeneous transducers: Parameters and considerations for successful implementation
Rasgado Moreno, Carlos Omar; Xu, Panpan; **Rist, Marek**; **Ratassepp, Madis** NDT & E International 2025 / art. 103265 https://doi.org/10.1016/j.ndteint.2024.103265

Optimization of channel allocation in wireless body area networks by means of reinforcement learning
Ahmed, Tauseef; **Ahmed, Faisal**; **Le Moullec, Yannick** APWiMob : IEEE Asia Pacific Conference on Wireless and Mobile 2016 : conference proceedings : 13-15 September 2016, Grand Royal Panghegar Hotel, Bandung, Indonesia 2016 / p. 120-123 : ill https://doi.org/10.1109/APWiMob.2016.7811445

Optimization of multisine excitation for a bioimpedance measurement device
Ojarand, Jaan; **Annus, Paul**; **Min, Mart**; **Gorev, Maksim**; **Ellervee, Peeter** I2MTC 2014 IEEE International Instrumentation and Measurement Technology Conference : Instrumentation and Measurement for Sustainable Development : Radisson Montevideo Victoria Plaza Hotel & Conference Center, May 12-15, 2014, Montevideo, Uruguay : proceedings 2014 / p. 829-832 : ill https://doi.org/10.1109/I2MTC.2014.6860859 Conference proceedings at Scopus Article at Scopus Article at WOS

Optimizing the deployment of multi-UAVs in emergency response networks
Hassan, Ali; Javed, Sadaf; Ahmad, Rizwan; Ahmed, Waqas; Kiani, Adnan; **Alam, Muhammad Mahtab** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p https://doi.org/10.1109/BEC61458.2024.10737973 Conference proceedings at Scopus Article at Scopus Article at WOS

Optimum electromagnetic modelling of RF MEMS switches
Ziko, Mehadi Hasan; **Koel, Ants** Elektronika ir elektrotechnika = Electronics and electrical engineering 2018 / p. 46-50 : ill https://doi.org/10.5755/j01.eie.24.5.21842 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Our Journal is entering into its second decade
Min, Mart Journal of electrical bioimpedance 2019 / p. 1 https://doi.org/10.2478/joeb-2019-0001 Journal metrics at Scopus Article at Scopus

An overview of the impedance models of the thorax and the origin of the impedance cardiography signal for modelling of the impedance signals
Mughal, Yar M.; **Annus, Paul**; **Min, Mart**; **Gordon, Rauno** 2014 IEEE International Conference on Biomedical Engineering and Sciences : 8th-10th December 2014, Miri-Malaysia : conference proceedings 2014 / p. 526-531 : ill

Pacing algorithm test environment for simulating critical bleeding situations
Kink, Andres The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [3] p. : ill

Parameter estimation by sparse reconstruction with wideband dictionaries = Signaali parameetrite hindamine kasutades hajusat taastamist laiaribaliste sõnastikega
Butsenko, Maksim 2018 https://digi.lib.ttu.ee/i/?11199 https://www.ester.ee/record=b5176162*est

A parametric framework for modelling of bioelectrical signals
Muhammad, Yar 2016 http://dx.doi.org/10.1007/978-981-287-969-1

A parametric framework for modelling of bioelectrical signals = Parameetriline raamistik bioelektriliste signaalide

modelleerimiseks
Muhammad, Yar 2015 http://www.ester.ee/record=b4473232*est

A parametric framework for the development of bioelectrical applications : application to a bio-impedance signal simulator
Muhammad, Yar; **Annus, Paul**; **Le Moullec, Yannick**; **Rang, Toomas** Proceedings of the Estonian Academy of Sciences 2016 / p. 345-357 : ill https://doi.org/10.3176/proc.2016.4.03 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance analysis of interference and priority aware coexistence in IEEE 802.15.6 based WBANs
Khan, Fawad Nawaz; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Drieber, Micheal 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 5 p https://doi.org/10.1109/BEC49624.2020.9277066

Performance comparison of smartphones and a wearable motion sensor for patient m-assessment [Online resource]
Kask, Triin; **Kuusik, Alar** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600973

Performance evaluation of 5G NR sidelink for V2X scenarios
Elgarhy, Osama Mohamed Mostafa; Yener, Onur; **Alam, Muhammad Mahtab** 2022 18th Biennial Baltic Electronics Conference (BEC) : proceedings 2022 / 5 p https://doi.org/10.1109/BEC56180.2022.9935591

Performance evaluation of 5G-NR positioning accuracy using time difference of arrival method
Müürsepp, Ivo; **Kulmar, Marika**; **Elgarhy, Osama Mohamed Mostafa**; **Alam, Muhammad Mahtab**; Chen, Tao; Horsmanheimo, Seppo; Scholliers, Johan 2021 IEEE International Mediterranean Conference on Communications and Networking (MeditCom) : Athens, Greece, 7-10 Sept. 2021 2021 / p. 494-499 : ill https://doi.org/10.1109/MeditCom49071.2021.9647652

Performance evaluation of distance-based random mean shift clustering and humpback whale optimization algorithm for sink node placement in WBAN
Hanif, Maria; Ahmad, Rizwan; Ahmed, Waqas; Drieberg, Micheal; **Alam, Muhammad Mahtab** BODYNETS 2021: Body Area Networks. Smart IoT and Big Data for Intelligent Health Management : 18th EAI International Conference, BODYNETS 2024-A, Milan, Italy, February 5-6, 2024, Proceedings 2024 / p. 225 - 245 https://doi.org/10.1007/978-3-031-72524-1_17 Conference proceedings at Scopus Article at Scopus Article at WOS

Performance evaluation of UWB active-passive two-way ranging distance estimation matrix weighting methods
Laadung, Taavi; Ulp, Sander; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** WiP Proceedings of the Twelfth International Conference on Indoor Positioning and Indoor Navigation 2022 / p. paper29 https://ceur-ws.org/Vol-3248/paper29.pdf Conference proceedings at Scopus Article at Scopus

Phase-increment sampling in chirp signal based impedance measurements
Märtens, Olev; **Min, Mart**; **Land, Raul**; **Ojarand, Jaan**; **Rist, Marek** Sampling Theory and Applications 2017 : 12th International Conference : Tallinn, Estonia, July 3-7 : program and abstracts 2017 / p. 65

Phase-increment sampling in chirp signal based impedance measurements [Electronic resource]
Märtens, Olev; **Min, Mart**; **Land, Raul**; **Ojarand, Jaan**; **Rist, Marek** 2017 International Conference on Sampling Theory and Applications (SampTA) : 12th International Conference : Tallinn, Estonia, July 3-7 : [abstracts] 2017 / p. 66. [USB]

Phase-increment sampling in chirp signal based impedance measurements [Online resource]
Märtens, Olev; **Min, Mart**; **Land, Raul**; **Ojarand, Jaan**; **Rist, Marek** 2017 International Conference on Sampling Theory and Applications (SampTA) : 12th International Conference : Tallinn, Estonia, July 3-7 : [proceedings] 2017 / p. 604-608 : ill https://doi.org/10.1109/SAMPTA.2017.8024393

Phase-sensitive amplifier link with distributed Raman amplification
Eliasson, Henrik; Vijayan, Kovendhan; Foo, Benjamin; Olsson, Samuel L. I.; **Astra, Egon**; Karlsson, Magnus; Andrekson, Peter Avo Optics express 2018 / p. 19854-19863 https://doi.org/10.1364/OE.26.019854 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Phenol and methanol detector based on pristine graphene nano-sheet: a first principles study [Online resource]
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600982

Photoplethysmography as an alternative to impedance cardiography-based hemodynamic feature point detection
Metshein, Margus; **Annus, Paul**; **Abdullayev, Anar**; **Krivošei, Andrei**; **Land, Raul**; **Märtens, Olev** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 5 p https://doi.org/10.1109/BEC61458.2024.10737936 Conference proceedings at Scopus Article at Scopus Article at WOS

PID controller tuning optimization using genetic algorithm for droplet size control in microfluidics
Gyimah, Nafisat; **Jõemaa, Rauno**; **Pärnamets, Kaiser**; **Scheler, Ott**; **Rang, Toomas**; **Pardy, Tamas** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p https://doi.org/10.1109/BEC56180.2022.9935596

PLL-based extraction of the cardiac component from the bio-impedance signal
Märtens, Olev; **Min, Mart**; **Annus, Paul**; **Land, Raul**; **Krivošei, Andrei**; **Metshein, Margus** 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2018) : proceedings 2018 / 6 p. : ill https://doi.org/10.1109/I2MTC.2018.8409848

Polymer nanofiber deposition in lab-on-a-chip devices by electrospinning
Pardy, Tamas; **Jõemaa, Rauno**; Ender, Ferenc; **Rang, Toomas**; Hegedus, Kristof; Balogh-Weiser, Diana 2020 17th Biennial Baltic electronics conference, Tallinn, Estonia, October 6-8, 2020 : proceedings 2020 / 4 p. : ill https://doi.org/10.1109/BEC49624.2020.9277494

Polytypic heterojunctions for wide bandgap semiconductor materials
Shenkin, Mikhail; **Korolkov, Oleg**; **Rang, Toomas**; **Rang, Galina** Materials characterization VII 2015 / p. 273-282 : ill

Pooljuhtstruktuuride tööpõhimõtted. Struktuuride realisatsioonid kristallis : abimaterjal ainele "Mikroelektroonika"
2003 http://www.ester.ee/record=b1782563*est

Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact
Hinrikus, Hiie; **Koppel, Tarmo**; **Lass, Jaanus**; **Roosipuu, Priit**; **Bachmann, Maie** International Journal of Radiation Biology 2022 / p. 1210-1221 https://doi.org/10.1080/09553002.2022.2026516 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Power aware ON/OFF switching schemes for energy efficient phantom cellular networks
Anjum, M Naveed; Ahmad, Rizwan; Hassan, Ali; Ahmed, Waqas; **Alam, Muhammad Mahtab** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p https://doi.org/10.1109/BEC56180.2022.9935605

Power optimization in a non-coordinated secondary infrastructure in a heterogeneous cognitive radio network
Ahmed, Tauseef; **Le Moullec, Yannick** Elektronika ir elektrotechnika = Electronics and electrical engineering 2015 / p. 79-83 : ill https://doi.org/10.5755/j01.eee.21.3.10526 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Power Stage MOSFETs Segmentation in Ripple Controlled Step-Down SMPS [Online resource]
Mihhailov, Juri; Koort, Marko; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill https://doi.org/10.1109/BEC.2018.8600960

Power-efficient frequency allocation algorithms for self-organized networks
Ahmed, Tauseef; **Le Moullec, Yannick** 2015 Advances in Wireless and Optical Communications RTUWO : 5-6 November 2015, Riga, Latvia : proceedings 2015 / p. 142-145 : ill http://dx.doi.org/10.1109/RTUWO.2015.7365738

PPG and bioimpedance-based wearable applications in heart rate monitoring – a comprehensive review
Lapsa, Didzis; Janeliukstis, Rims; **Metshein, Margus**; Selavo, Leo Applied sciences 2024 / art. 7451 https://doi.org/10.3390/app14177451 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Precise eddy current measurements : improving accuracy of determininig of electrical conductivity of metal plates
Märtens, Olev; **Land, Raul**; **Gordon, Rauno**; **Min, Mart**; **Rist, Marek**; **Pokatilov, Andrei** Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 4 2014 / p. 109-115 : ill

Preface
Alam, Muhammad Mahtab; Hämäläinen, Matti; Mucchi, Lorenzo; Niazi, Imran Khan; **Le Moullec, Yannick** Body Area Networks. Smart IoT and Big Data for Intelligent Health : 15th EAI International Conference, BODYNETS 2020, Tallinn, Estonia, October 21, 2020 : proceedings 2020 / p. V https://link.springer.com/content/pdf/bfm:978-3-030-64991-3/1?pdf=chapter%20toc https://doi.org/10.1007/978-3-030-64991-3 Conference proceeding Article at Scopus

A preliminary computer-aided technique for CT based lung segmentation
Gupta, Anindya; **Märtens, Olev**; **Le Moullec, Yannick** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 43-46 : ill

A primer on public safety communication in the context of terror attacks: the NATO SPS "COUNTER-TERROR" project
Alam, Muhammad Mahtab; **Le Moullec, Yannick**; Ahmad, Rizwan; Magarini, Maurizio; Reggiani, Luca Advanced Technologies for Security Applications : Proceedings of the NATO Science for Peace and Security 'Cluster Workshop on Advanced Technologies', 17-18 September 2019, Leuven, Belgium 2020 / p. 19-34 https://doi.org/10.1007/978-94-024-2021-0_3 Article collection metrics at Scopus Article at Scopus

Principles for the design of impedance spectroscopy devices for identification of dynamic bio-systems = Dünaamiliste

biosüsteemide impedantsspektroskoopia seadmete disaini printsiibid
Rist, Marek 2018 https://digi.lib.ttu.ee/i/?9260 https://www.ester.ee/record=b4759867*est

Process development for 3D laser lithography
Kaste, N.; Filbert, A.; Mescheder, U.; **Rang, Toomas**; **Rang, Galina** High performance and optimum design of structures and materials 2014 / p. 139-150 : ill https://doi.org/10.2495/HPSM140131 Conference proceedings at Scopus Article at Scopus

Prof Mart Min : tehnoloogia teeb tervemaks ja rikkamaks
Min, Mart Director. Inseneeria 2019 / lk. 18-24 : fot http://www.ester.ee/record=b2336521*est

ProSe direct discovery : experimental characterization and context-aware heuristic approach to extend public safety networks lifetime
Masood, Ali; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Reggiani, Luca; Scazzoli, Davide; Magarini, Maurizio; Ahmad, Rizwan IEEE Access 2021 / p. 130055 −130071 https://doi.org/10.1109/ACCESS.2021.3112751 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Prototyping of a machine learning based auxiliary neurostimulation system
Grigorjev, Nikolai; **Le Moullec, Yannick**; **Kuusik, Alar** 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 l. https://doi.org/10.1109/BEC56180.2022.9935607

Pulsed laser deposition of Zn(O,Se) layers in nitrogen background pressure
Abdalla, Akram; **Bereznev, Sergei**; **Spalatu, Nicolae**; **Volobujeva, Olga**; **Sleptšuk, Natalja**; **Danilson, Mati** Scientific reports 2019 / art. 17443, 10 p. : ill https://doi.org/10.1038/s41598-019-54008-1 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Pöörisvool tuvastab võltsmündid ja liigutab hõljukronge
Vill, Ants Director. Inseneeria 2021 / lk. 74-80 : fot https://www.ester.ee/record=b1519314*est https://director.ee/2021/09/01/poorisvool-tuvastab-voltsmundid-ja-liigutab-holjukronge/

Q-Learning based joint energy-spectral efficiency optimization in multi-hop device-to-device communication
Khan, Muhidul Islam; Reggiani, Luca; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Sharma, Navuday**; Yaacoub, Elias; Magarini, Maurizio Sensors 2020 / art. 6692, 23 p.: ill https://doi.org/10.3390/s20226692 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A QoS optimization approach in cognitive body area networks for healthcare applications
Ahmed, Tauseef; **Le Moullec, Yannick** Sensors 2017 / art. 780, p. 1-23 : ill https://doi.org/10.3390/s17040780 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

QUADRA impedance spectroscopy devices for dynamic measurements of bio-objects
Rist, Marek; **Reidla, Marko**; **Märtens, Olev**; **Min, Mart**; **Annus, Paul**; **Land, Raul**; **Parve, Toomas** 34th Annual International IEEE EMBS Conference : August 28 - September 1, 2012, Hilton Bayfront Hotel in San Diego, California, USA : abstracts 2012 / p. 557 : ill

Quantization of the response signal differences for the electrical bioimpedance measurement
Annus, Paul; **Land, Raul**; **Priidel, Eiko**; **Metshein, Margus**; **Min, Mart**; **Märtens, Olev** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 290-293 : ill https://doi.org/10.1007/978-981-10-5122-7_73 Conference proceedings at Scopus Article at Scopus Article at WOS

Radio access network subslicing in closed control loop for improved slice performance management = Raadiojuurdepääsu võrguviilu alamviilutamine suletud juhtimisahelas
Kulmar, Marika 2024 https://doi.org/10.23658/taltech.2/2024 https://digikogu.taltech.ee/et/Item/38b22df5-0884-4c20-941e-2562491879e5 https://www.ester.ee/record=b5649442*est

Radio resource management in NB-IoT systems : empowered by interference prediction and flexible duplexing
Malik, Hassan; **Alam, Muhammad Mahtab**; Pervaiz, Haris; **Le Moullec, Yannick**; Al-Dulaimi, Anwer; Pärand, Sven; Reggiani, Luca IEEE Network 2020 / Art. nr. 8839971 https://doi.org/10.1109/MNET.001.1900087 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Radio resource management scheme in NB-IoT systems
Malik, Hassan; Pervaiz, Haris; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Kuusik, Alar**; Imran, Muhammad Ali IEEE Access 2018 / p. 15051-15064 : ill https://doi.org/10.1109/ACCESS.2018.2812299 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Radio spectrum and power optimization cognitive techniques for wireless body area networks = Raadiospektri ja võimsuse optimeerimise kognitiivsed tehnikad traadita kehavõrkudele
Ahmed, Tauseef 2017 https://digi.lib.ttu.ee/i/?7677 https://www.ester.ee/record=b4677631*est

Rahastagem vaid erialasid, mida tööturg vajab. Ülejäänud on hobid
Müürsepp, Ivo Eesti Päevaleht 2022 Rahastagem vaid erialasid, mida tööturg vajab. Ülejäänud on hobid

Rahvusvaheline elektrotehnika sõnastik. Osa 702, Võnkumised, signaalid ja vastavad seadmed [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 702, Oscillations, signals and related devices (IEC 60050-702:1992+IEC 60050-702:1992/Amd 1:2016+IEC 60050-702:1992/Amd 2:2016+IEC 60050-702:1992/Amd 3:2017+IEC 60050-702:1992/Amd 4:2018, identical+IEC 60050-702:1992/Amd 5:2019, identical)
2020 https://www.ester.ee/record=b5375585*est

Rahvusvaheline elektrotehnika sõnastik. Osa 702, Võnkumised, signaalid ja vastavad seadmed [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 702, Oscillations, signals and related devices (IEC 60050-702:1992+IEC 60050-702:1992/Amd 1:2016+IEC 60050-702:1992/Amd 2:2016+IEC 60050-702:1992/Amd 3:2017)
2018 https://www.ester.ee/record=b5143859*est

Rahvusvaheline elektrotehnika sõnastik. Osa 713, Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 713, Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998+IEC 60050-713:1998/Amd 1:2016+IEC 60050-713:1998/Amd 2:2017)
2017 http://www.ester.ee/record=b4759595*est

Rahvusvaheline elektrotehnika sõnastik. Osa 713, Raadioside: saatjad, vastuvõtjad, võrgud ja ekspluatatsioon [Võrguteavik] = International Electrotechnical Vocabulary. Chapter 713, Radiocommunication: transmitters, receivers, networks and operation (IEC 60050-713:1998+IEC 60050-713:1998/Amd 1:2016+IEC 60050-713:1998/Amd 2:2017+IEC 60050-713:1998/Amd 3:2018, identical+IEC 60050-713:1998/Amd 4:2019, identical)
2020 https://www.ester.ee/record=b5375620*est

Rahvusvaheline Seebecki foorum Tallinnas : [20.-24. mail 2013]
Rang, Toomas Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 303-304

Rate-latency optimization for NB-IoT with adaptive resource unit configuration in uplink transmission
Elgarhy, Osama Mohamed Mostafa; **Reggiani, Luca**; **Malik, Hassan**; **Alam, Muhammad Mahtab**; Imran, Muhammad Ali IEEE Systems Journal 2021 / p. 265 - 276 https://doi.org/10.1109/JSYST.2020.2991073 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Realization and evaluation of the device for measuring the impedance of human body for detecting the respiratory and heart rate
Metshein, Margus; **Parve, Toomas**; **Annus, Paul**; **Rist, Marek**; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2017 / p. 36-42 : ill https://doi.org/10.5755/j01.eie.23.3.18330 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Real-time gait anomaly detection using 1D-CNN and LSTM
Rostovski, Jakob; **Ahmadilivani, Mohammad Hasan**; **Krivošei, Andrei**; **Kuusik, Alar**; **Alam, Muhammad Mahtab** Digital Health and Wireless Solutions : First Nordic Conference, NCDHWS 2024, Oulu, Finland, May 7–8, 2024 : Proceedings, Part II 2024 / p. 260-278 https://doi.org/10.1007/978-3-031-59091-7_17 Conference proceedings at Scopus Article at Scopus Article at WOS

Real-time gait anomaly detection using SVM time series classification
Rostovski, Jakob; **Krivošei, Andrei**; **Kuusik, Alar**; **Alam, Muhammad Mahtab**; **Ahmadov, Ulvi** 2023 International Wireless Communications and Mobile Computing (IWCMC) 2023 / p. 1389-1394 https://doi.org/10.1109/IWCMC58020.2023.10182666

Recent advances in crest factor minimization of multisine
Ojarand, Jaan; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2017 / p. 59-62 : ill https://doi.org/10.5755/j01.eie.23.2.18001 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Regression based model of the impedance cardiac and respiratory signals for the development of a bio-impedance signal simulator
Mughal, Yar M; **Annus, Paul** Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 15-18 : ill

A reinforcement learning routing protocol for UAV aided public safety networks
Minhas, Hassan Ishtiaq; Ahmad, Rizwan; Ahmed, Waqas; Waheed, Maham; **Alam, Muhammad Mahtab**; Gul, Sufi Tabassum Sensors 2021 / Art. nr. 4121 https://doi.org/10.3390/s21124121 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Relative complex permittivity and its dependence on frequency
Giannoukos, Georgios; **Min, Mart**; **Rang, Toomas** World journal of engineering 2017 / p. 532-537 : ill https://doi.org/10.1108/WJE-01-2017-0007 Journal metrics at Scopus Article at Scopus

Reliability-critical computation offloading in UAV swarms
Rahbari, Dadmehr; **Ahmed, Foisal**; **Jenihhin, Maksim**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick** IEEE Systems Journal 2024 / p. 1871-1882 https://doi.org/10.1109/JSYST.2024.3432449

Reliable smart electrical power supply for cubesat platforms
Pooler, V.; **Priidel, Eiko**; **Sinivee, Veljo** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 215-218 : ill http://www.ester.ee/record=b2150914*est

Reward function evaluation in a reinforcement learning approach for energy management [Online resource]
Rioual, Yohann; **Le Moullec, Yannick**; Laurent, Johann; **Khan, Muhidul Islam**; Diguet, Jean-Philippe BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2019 / 4 p https://doi.org/10.1109/BEC.2018.8600992

Review of - SiC wide-bandgap heterostructure properties as an alternate semiconductor material
Patankar, Udayan Sunil; Rajput Priti, J.; **Koel, Ants**; Nitnaware, V.N. International Conference on Inventive Research in Material Science and Technology, ICIRMCT 2018 : March 23-24, 2018 2018 / art. 020011 https://doi.org/10.1063/1.5038690 Conference proceedings at Scopus Article at Scopus Article at WOS

Review of basic classes of dividers based on division algorithm
Patankar, Udayan Sunil; **Koel, Ants** IEEE Access 2021 / p. 23035-23069 https://doi.org/10.1109/ACCESS.2021.3055735 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ring-oscillator with multiple transconductors for linear analog-to-digital conversion
Alvero-Gonzalez, Leidy Mabel; Medina, Victor; **Kampus, Vahur**; Paton, Susana; Hernandez, Luis; Gutierrez, Eric Electronics (Switzerland) 2021 / art. 1408 https://doi.org/10.3390/electronics10121408 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Robust algorithm for the augmentation index estimation of the CAP using low order derivatives [Electronic resource]
Krivošei, Andrei; **Min, Mart**; **Lamp, Jürgen**; **Annus, Paul** MeMeA 2014 : IEEE International Symposium on Medical Measurements and Applications : June 11-12, 2014, ISCTE, University of Lisbon, Lisbon, Portugal : proceedings 2014 / p. 279-282 : ill. [CD-ROM]

Saaremaa mees sai TalTechi aasta teadlaseks
saartehaal.postimees.ee 2024 Saaremaa mees sai TalTechi aasta teadlaseks

Satelliidiprogrammi juhti köidab töö ühise eesmärgi nimel
Gordon, Rauno Mente et Manu 2017 / lk. 32-34 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_02_2017/index.html https://artiklid.elnet.ee/record=b2816034*est

Saving time and cost on the scheduling of fog-based IoT applications using deep reinforcement learning approach
Gazori, Pegah; **Rahbari, Dadmehr**; Nickray, Mohsen Future generation computer systems 2020 / p. 1098-1115 https://doi.org/10.1016/j.future.2019.09.060

Scheduling in radio resource management for massive machine-type communications = Raadioressursside planeerimine massiivse masin-masin tüüpi kommunikatsiooni korral
Mwakwata, Collins Burton 2022 https://doi.org/10.23658/taltech.32/2022 https://digikogu.taltech.ee/et/Item/e62dd1a5-5791-487b-b5f6-0d983f37a7d5 https://www.ester.ee/record=b5502362*est

Sec-IoT: A framework for secured decentralised IoT using blockchain-based technology
Khan, Muhidul Islam; Lawal, Isah A. Proceedings of Fifth International Congress on Information and Communication Technology : ICICT 2020, Vol. 1 2020 / p. 269-277 https://doi.org/10.1007/978-981-15-5856-6_27 Article collection metrics at Scopus Article at Scopus

Self-aware fog computing in private and secure spheres
Tammemäe, Kalle; Jantsch, Axel; **Kuusik, Alar**; Preden, Jürgo-Sören; **Õunapuu, Enn** Fog computing in the internet of things : intelligence at the edge 2018 / p. 71-99 : ill http://www.ester.ee/record=b4692402*est https://doi.org/10.1007/978-3-319-57639-8_5

Self-calibration of multiscale hysteresis with memristors in nonlinear time reversal based processes
Dos Santos, Serge; **Masood, Ali**; Furui, Sadataka; Nardoni, Giuseppe BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / p. 9-12 : ill https://doi.org/10.1109/BEC.2018.8600977

Sensor-location-specific joint acquisition of peripheral artery bioimpedance and photoplethysmogram for wearable applications
Metshein, Margus; **Abdullayev, Anar**; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; **Annus, Paul**; **Land, Raul**; **Märtens, Olev** Sensors 2023 / art. 7111 https://doi.org/10.3390/s23167111 Journal metrics at Scopus Article at Scopus Journal metrics

at WOS Article at WOS

Sensortehnoloogia põhised kiibid on Eesti võimalus : Alar Kuusik: „Ootan väga, et ühiskonnas tuleks tagasi vastuvõtlikkus uutele, ka radikaalsetele lahendustele ja reformidele.“
Kuusik, Alar sirp.ee 2025 https://www.sirp.ee/sensortehnoloogia-pohised-kiibid-on-eesti-voimalus/

Separation of cardiac and respiratory components from the electrical bio-impedance signal using PCA and fast ICA
Mughal, Yar M.; **Krivošei, Andrei**; **Annus, Paul** International Conference on Control Engineering & Information Technology (CEIT'13), Sousse, Tunisia, June 04-07, 2013 : [proceedings] 2013 / [4] p

Service placement and migration algorithm utilizing precise positioning for connected and automated vehicles
Elgarhy, Osama Mohamed Mostafa; **Alam, Muhammad Mahtab**; Reggiani, Luca; Azeem, Muhammad Moazam 2023 IEEE Conference on Standards for Communications and Networking (CSCN) 2023 / p. 183-188
https://doi.org/10.1109/CSCN60443.2023.10453210

SEU study of wideband heterostructure diode for particle detection
Patankar, Udayan Sunil; **Koel, Ants** 2021 IEEE International Conference on Consumer Electronics (ICCE) 2021 / 4 p. : ill
https://doi.org/10.1109/ICCE50685.2021.9427613 Conference Proceedings at Scopus Article at Scopus Article at WOS

SiC JBS diode symmetrical voltage doubler represented as the diffusion-welded stack
Korolkov, Oleg; **Land, Raul**; **Toompuu, Jana**; **Sleptšuk, Natalja**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 862–865 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.862 Conference Proceedings at Scopus Article at Scopus

SIC schottky diode rectifier bridge represented as the diffusion-welded stack
Korolkov, Oleg; Kozlovski, Vitali V.; Lebedev, Alexander A.; **Land, Raul**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Silicon Carbide and Related Materials 2016 : selected, peer reviewed papers from the 11th European Conference on Silicon Carbide and Related Materials 2016 (ECSCRM 2016), September 25-29, 2016, Halkidiki, Greece 2017 / p. 697-700 : ill
https://doi.org/10.4028/www.scientific.net/MSF.897.697 Conference proceedings at Scopus Article at Scopus

SIC schottky diode rectifier bridge represented as the diffusion-welded stack
Korolkov, Oleg; **Land, Raul**; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** 11th European Conference on Silicon Carbide and Related Materials : September 25-29, 2016, Porto Carras Grand Resort, Halkidiki, Greece : [poster session] 2016 / p. 42

Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist
Lapsa, Didzis; **Metshein, Margus**; **Krivošei, Andrei**; Janeliukstis, Rims; **Märtens, Olev**; Elsts, Atis Applied sciences 2024 / art. 9632 https://doi.org/10.3390/app14219632 Journal proceedings at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simple acoustical signature based coin validation
Märtens, Olev; **Gavrijaševa, Alina**; **Land, Raul**; **Min, Mart** 2015 IEEE 9th International Symposium on Intelligent Signal Processing (WISP 2015) : Siena, Italy, 15-17 May 2015 : [proceedings] 2015 / p. 120-123 : ill

Simple and efficient excitation signals for fast impedance spectroscopy
Ojarand, Jaan; **Min, Mart** Elektronika ir elektrotechnika = Electronics and electrical engineering 2013 / p. 49-52 : ill
https://doi.org/10.5755/j01.eee.19.2.3468 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simplified signal processing for impedance spectroscopy with spectrally sparse sequences
Annus, Paul; **Land, Raul**; **Reidla, Marko**; Ojarand, Jaan; **Mughal, Yar M.**; **Min, Mart** XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 76 https://doi.org/10.1088/1742-6596/434/1/012031 Conference Proceedings at Scopus Article at Scopus Article at WOS

Simulation of the sensitivity distribution of four-electrode impedance sensing on radial artery
Pesti, Ksenija; **Kõiv, Hip**; **Min, Mart** 2019 IEEE Sensors Applications Symposium (SAS 2019), Sophia Antipolis, France, 11-13 March, 2019 : proceedings 2019 / 6 p. : ill https://doi.org/10.1109/SAS.2019.8705976

Simulations of benzene and hydrogen-sulfide gas detector based on single-walled carbon nanotube over intrinsic 4H-SiC substrate
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas**; **Ziko, Mehadi Hasan** Micromachines 2020 / art. 453, 13 p. : ill
https://doi.org/10.3390/mi11050453 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulations of graphene nanoribbon field effect transistor for the detection of propane and butane gases : a first principles study
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Nanomaterials 2020 / art. 98 https://doi.org/10.3390/nano10010098
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Simulations of heterostructures based on 3C-4H and 6H-4H silicon carbide polytypes
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** Silicon carbide and related materials 2017 : ICSCRM 2017 : selected, peer reviewed papers from the 2017 International Conference on Silicon Carbide and related materials, September 17-22, 2017, Washington, DC, USA 2018 / p. 302-305 : ill https://doi.org/10.4028/www.scientific.net/MSF.924.302 Conference Proceedings at Scopus Article at Scopus

Simulations of propane and butane gas sensor based on pristine armchair graphene nanoribbon
Rashid, Muhammad Haroon; **Koel, Ants**; **Rang, Toomas** IOP conference series : materials science and engineering 2018 / art. 012001, 8 p https://doi.org/10.1088/1757-899X/362/1/012001 Conference proceedings at Scopus Article at Scopus Article at WOS

Simulations of wide bandgap SiC N-N heterostructure diode
Patankar, Udayan Sunil; **Koel, Ants**; **Pardy, Tamas** 2020 IEEE International Conference on Consumer Electronics (ICCE), Las Vegas, NV, USA, January 4-6, 2020 2020 / 4 p https://doi.org/10.1109/ICCE46568.2020.9043130

Situational awareness based neural flight control of a coaxial rotor/ducted-fan helicopter
Astrov, Igor; **Pikkov, Mihhail**; **Paluoja, Rein** Recent advances in systems science : proceedings of the 17th International Conference on Systems (part of CSCC '13) : Rhodes Island, Greece, July 16-19, 2013 2013 / p. 54-59 : ill

Slope-based event-driven feature extraction for cardiac arrhythmia classification
Duforest, Julien; Larras, Benoit; John, Deepu; **Märtens, Olev**; Frappe, Antoine 2021 IEEE Biomedical Circuits and Systems Conference 2021 / 4 l https://doi.org/10.1109/BioCAS49922.2021.9644957

A smart capless voltage regulator for very high bandwidth A/D and D/A converters in a standard 28nm CMOS process
Kampus, Vahur; **Rang, Toomas** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 43-46 : ill http://www.ester.ee/record=b2150914*est

Smart chair : IoT based health telemetry for air traffic controllers and emergency response center operators
Yusupov, Nodirkhon; Akhinko, Sergii; Sambath Kumar, Rohin; **Khan, Rida** Proceedings of the 29th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 24-27th October 2018, Zadar, Croatia 2018 http://dx.doi.org/10.2507/29th.daaam.proceedings.184

Smart, wireless modular communication platform
Ruberg, Priit; **Hollstein, Thomas**; **Reinsalu, Uljana**; **Tammemäe, Kalle**; **Le Moullec, Yannick**; **Kuusik, Alar**; **Reidla, Marko**; **Annus, Paul** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 111-112 : ill

SmartBAN performance evaluation for diverse applications
Khan, Rida; **Alam, Muhammad Mahtab** Body Area Networks : Smart IoT and Big Data for Intelligent Health Management. 14th EAI International Conference, BODYNETS 2019, Florence, Italy, October 2-3, 2019 : Proceedings 2019 / p. 239-251 https://doi.org/10.1007/978-3-030-34833-5_19 Conference proceeding at Scopus Article at Scopus

Some errors during impedance measurement
Annus, Paul; **Land, Raul**; **Min, Mart** Book of abstracts : 16th International Conference on Electrical Bio-Impedance : 17th Conference on Electrical Impedance Tomography : ICEBI and EIT Stockholm, 19-23 June 2016 2016 / p. 90

Some novel algorithms for processing sensor array output signals = Uudsed algoritmid antennivõre väljundsignaali töötlemiseks
Tart, Allan 2021 https://www.ester.ee/record=b5432623*est https://digikogu.taltech.ee/et/Item/531692ce-bea0-44ef-afa5-43048e728052 https://doi.org/10.23658/taltech.26/2021

Some observations on impedance and Ferranti effect
Land, Raul; **Min, Mart**; **Annus, Paul** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Soojussaarte hindamine Eesti linnades 2014-2019
Märtens, Olev; Pärg, Riina; Služenikina, Jekaterina 2020 https://keskkonnaportaal.ee/sites/default/files/2024-08/2020_02_22_om_kka_report.pdf

Sparse reconstruction method for separating cardiac and respiratory components from electrical bioimpedance measurements
Butsenko, Maksim; **Märtens, Olev**; **Krivošei, Andrei**; **Le Moullec, Yannick** Elektronika ir elektrotechnika = Electronics and electrical engineering 2018 / p. 57-61 : ill https://doi.org/10.5755/j01.eie.24.5.21844 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Special issue "Advanced hardware implementations for IoT systems and applications"
2022 https://www.mdpi.com/journal/electronics/special_issues/Hardware_IoT

Standards for acousto-mechanical evaluation of multiscale hysteretic properties of complex material with nonlinear time reversal imaging
Dos Santos, Serge; **Lints, Martin**; Arruga, Denis; **Masood, Ali**; **Salupere, Andrus** Application of Contemporary Non-Destructive Testing in Engineering : conference proceedings 2017 / p. 49-57 : ill https://www.ndt.net/search/docs.php3?showForm=off&id=22548 http://lab.fs.uni-lj.si/latem/ndt/userfiles/file/Conference%20proceedings,%20ICNDT%202017.pdf

Steady state analysis of the commutating LC filter based dual active bridge for the isolation stage of power electronic transformer [Electronic resource]
Beldjajev, Viktor; **Rang, Toomas**; **Zakis, Janis** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 138-143 : ill [CD-ROM]

A study of channel model parameters for aerial base stations at 2.4 GHz in different environments
Sharma, Navuday; Magarini, Maurizio; Dossi, Laura; Reggiani, Luca; Reggiani, Roberto CCNC 2018 : 15th IEEE Annual Consumer Communications and Networking Conference, Las Vegas, USA, January 12-15, 2018 : proceedings 2018 / 6 p. : ill https://doi.org/10.1109/CCNC.2018.8319165

Study of electrode locations for joint acquisition of impedance- and electro-cardiography signals
Metshein, Margus; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; John, Deepu; Cardiff, Barry; **Annus, Paul**; **Land, Raul**; **Märtens, Olev** 2021 43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) Oct 31 - Nov 4, 2021 : virtual conference 2021 / p. 7264-7267 : ill https://doi.org/10.1109/EMBC46164.2021.9629504 Conference Proceedings at Scopus Article at Scopus Article at WOS

Study of estimation based functional iteration approximation dividers
Patankar, Udayan Sunil; **Flores, Miguel E.**; **Koel, Ants** ICCE-2021 IEEE International Conference on Consumer Electronics, CES 2021 / p. 1-4 https://doi.org/10.1109/ICCE50685.2021.9427657 Conference Proceedings at Scopus Article at Scopus Article at WOS

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe
Mizsei, Janos; **Korolkov, Oleg**; **Toompuu, Jana**; **Mikli, Valdek**; **Rang, Toomas** Silicon Carbide and Related Materials 2012 : selected peer reviewed papers from the 9th European Conference on Silicon Carbide and Related Materials (ECSCRM 2012), September 2-6, 2012, St. Petersburg, Russian Federation 2013 / p. 677-680 : ill https://doi.org/10.4028/www.scientific.net/MSF.740-742.677 Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS

Study of surface defects in 4H-SiC Schottky diodes using a scanning Kelvin probe
Mizsei, Janos; **Korolkov, Oleg**; **Toompuu, Jana**; **Rang, Toomas** The 9th European Conference on Silicon Carbide and Related Materials : abstract book : St. Petersburg Russia, 2-6 September, 2012 2012 / 2 p. : ill

Suboptimal radio resource management for full-duplex enabled small cells
Hassan, Malik; Ghoraishi, Mir; Tafazolli, Rahim 2017 IEEE International Conference on Communications Workshops (ICC Workshops) 2017 / p. 942-947 : ill https://doi.org/10.1109/ICCW.2017.7962780

A survey on open-access reference image database for lung cancer
Gupta, Anindya; **Märtens, Olev**; **Le Moullec, Yannick** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 47-50 : ill

A survey on the roles of communication technologies in IoT-based personalized healthcare applications
Alam, Muhammad Mahtab; **Malik, Hassan**; **Khan, Muhidul Islam**; **Pardy, Tamas**; **Kuusik, Alar**; **Le Moullec, Yannick** IEEE Access 2018 / p. 36611-36631 : ill https://doi.org/10.1109/ACCESS.2018.2853148 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Surveying pervasive public safety communication technologies in the context of terrorist attacks
Masood, Ali; Scazzoli, Davide; **Sharma, Navuday**; **Le Moullec, Yannick**; Ahmad, Rizwan; Reggiani, Luca; Magarini, Maurizio; **Alam, Muhammad Mahtab** Physical communication 2020 / art. 101109, https://doi.org/10.1016/j.phycom.2020.101109 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sustainable scheduling for ultra massive machine type communication using NOMA in 6G O-RAN
Latif, Aamir; **Alam, Muhammad Mahtab**; **Elgarhy, Osama Mohamed Mostafa**; **Le Moullec, Yannick** Digital Proceedings of the European Conference on Networks and Communications & 6G Summit 2024 (EuCNC 2024) 2024

SVM Time series classification of selected gait abnormalities
Rostovski, Jakob; **Krivošei, Andrei**; **Kuusik, Alar**; **Ahmadov, Ulvi** BODYNETS 2021: Body Area Networks. Smart IoT and Big Data for Intelligent Health Management : 16th EAI International Conference, BODYNETS 2021, Virtual Event, October 25-26, 2021 : proceedings 2022 / 15 p https://doi.org/10.1007/978-3-030-95593-9_16 Conference proceedings at Scopus Article at Scopus Article at WOS

Südame südames
Min, Mart Sirp 2016 / lk. 35-36 : portr http://www.sirp.ee/s1-artiklid/c21-teadus/sudame-sudames/

Sünkroonmuundustehnika faasitundliku spektraalanalüüsi vahendina : magistritöö
Land, Raul 1992 https://www.ester.ee/record=b2630379*est

Süvatehnoloogiate alternatiivsed arengutrajektoorid ja nende tähendus Eestile : lõpparuanne
Koppel, Kaupo; Kuusik, Alar; Arrak, Kadri; **Raik, Jaan**; **Niidu, Allan**; Kõks, Kerttu-Liis; **Lahtvee, Petri-Jaan** 2023
https://media.voog.com/0000/0037/5345/files

Synchronization algorithm for RFID-reader and its implementation
Märtens, Olev; Liimets, Aivar; **Kuusik, Alar** 2015 Advances in Wireless and Optical Communications RTUWO : 5-6 November 2015, Riga, Latvia : proceedings 2015 / p. 82-85 : ill https://doi.org/10.1109/RTUWO.2015.7365725

Synchronous approximation and processing of sampled data signals
Land, Raul 2002 https://www.ester.ee/record=b1688698*est

System for bioimpedance signal simulation from pulsating blood flow in tissues
Gordon, Rauno; **Pesti, Ksenija** Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 4 2014 / p. 51-58 : ill

System level modeling of phase locked loops : behavioral analysis and parameterization
Paavle, Toivo 2003 https://www.ester.ee/record=b1809261*est

System level optimizations in wearable wireless networks = Kantavate seadmete võrkude süsteemi tasemel optimeerimine
Khan, Rida 2021 https://www.ester.ee/record=b5403571*est https://digikogu.taltech.ee/et/Item/5d6402a5-a537-4bf4-a5e0-988b8685228b https://doi.org/10.23658/taltech.10/2021

Tallinna kaupmehe pojast füüsikaklassikuks. Thomas Johann Seebeck (1770-1831)
Velmre, Enn Vana Tallinn. XXIII (XXVII) 2012 / lk. 274-286 : ill

Tallinna tehnikaülikooli lektor selgitab, miks GPSi segaja mõjutab just eriti lennuliiklust
Arula, Eili tartupostimees.ee 2024 Tallinna tehnikaülikooli lektor selgitab, miks GPSi segaja mõjutab just eriti lennuliiklust

TalTech asub arendama riigikaitseks vajalikke tehnoloogiaid
postimees.ee 2025 https://haridus.postimees.ee/8164433/taltech-asub-arendama-riigikaitseks-vajalikke-tehnoloogiaid

TalTech avab uue võrgutehnoloogiate ja -teenuste magistrikava
Mente et Manu 2023 / lk. 11 https://www.ester.ee/record=b1242496*est

TalTech moderniseerib elektroonikaalast kõrgharidust
Lemendik, Laur Director. Inseneeria 2019 / lk. 76-77 : fot http://www.ester.ee/record=b2336521*est https://director.ee/tag/laur-lemendik/?v=a57b8491d1d8

TalTech ootab logistikasektorilt koostööd
Transport ja Logistika : infoleht 2020 / lk. 2 https://www.ester.ee/record=b1975868*est

TalTechi elektroonikatudengid ehitasid valmis väga vajaliku prototüübi Eesti lennundusele
postimees.ee 2024 TalTechi elektroonikatudengid ehitasid valmis väga vajaliku prototüübi Eesti lennundusele

TalTechi professor: elektroonika- ja IKT-tööstus tõukavad tagant digi- ja rohepööret
Le Moullec, Yannick toostusuudised.ee 2023 TalTechi professor: elektroonika- ja IKT-tööstus tõukavad tagant digi- ja rohepööret

TalTechis hakatakse testima 6G võrku. Margus Rohtla: „Oleks vaid minu õpingute ajal sellised võimalused olnud!“
Lindpere, Elle Isabel forte.delfi.ee 2023 TalTechis hakatakse testima 6G võrku. Margus Rohtla: „Oleks vaid minu õpingute ajal sellised võimalused olnud!“

Tartu südamekirurgidele tulevad appi TalTechi teadlased
Koovit, Joanna goodnews.ee 2025 Tartu südamekirurgidele tulevad appi TalTechi teadlased

Task classification for optimal offloading and resource allocation in vehicular edge computing
Mubashir, Memona; Ahmad, Rizwan; Saadat, Ahsan; Chaudhry, Saqib Rasool; Kiani, Adnan Khalid; **Alam, Muhammad Mahtab** 2023 Eighth International Conference on Fog and Mobile Edge Computing (FMEC) 2023 / p. 15-21
https://doi.org/10.1109/FMEC59375.2023.10306155

Task offloading in mobile fog computing by classification and regression tree

Rahbari, Dadmehr; Nickray, Mohsen Peer-to-Peer networking and applications 2020 / p. 104−122 https://doi.org/10.1007/s12083-019-00721-7

Teadlased tugevdavad Läänemere riikide digitaristut ja ühenduvust
Vaaks, Eveliis Trialoog 2025 https://trialoog.taltech.ee/taltechi-teadlased-tugevdavad-laanemere-riikide-digitaristut-ja-uhenduvust/

Teadus on liigestest lahti
Min, Mart Sirp 2019 / lk. 26-27 : ill https://sirp.ee/s1-artiklid/c21-teadus/teadus-on-liigestest-lahti/ https://www.ester.ee/record=b1072938*est https://novaator.err.ee/908974/mart-min-eesti-teadus-on-liigestest-lahti

Teaduse ja ülikoolide rahastamisest tehnikateaduse poolelt
Märtens, Olev Sirp 2021 / lk. 15 https://www.sirp.ee/s1-artiklid/c21-teadus/vastukaja-teaduse-ja-ulikoolide-rahastamisest-tehnikateaduse-poolelt/

Teaduselt ühiskonnale : mis on spektroskoopia : vastab professor Mart Min
Min, Mart KesKus 2013 / lk. 44 : ill

Tehisaru - inimesed - robotid : [viienda tööstusrevolutsiooni ootel]
Alvela, Ain Tehnikamaailm 2025 / lk. 44-48 : ill https://www.ester.ee/record=b1073050*est

Tele2 Eesti и TalTech открывают лабораторию оптоволоконной связи и сенсорики
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The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Iqbal, Muhammad Naveed** Applied sciences 2020 / art. 7572, 15 p. : ill https://doi.org/10.3390/app10217572 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics
Asad, Bilal; **Vaimann, Toomas**; **Belahcen, Anouar**; **Kallaste, Ants**; **Rassõlkin, Anton**; **Iqbal, Muhammad Naveed** Advances in machine fault diagnosis 2022 / p. 27-41 https://doi.org/10.3390/app10217572

The current state of voice over Internet protocol in wireless mesh networks
Meeran, Mohammad Tariq; **Annus, Paul**; **Le Moullec, Yannick** 2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI) : September 21-24, 2016, The LNM Institute of Information Technology (LNMIT), Jaipur, India 2016 / p. 2567-2575 : ill https://doi.org/10.1109/ICACCI.2016.7732444

The dependence of reverse recovery time on barrier capacitance and series on-resistance in Schottky diodes
Veher, Oleksandr; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Korolkov, Oleg**; **Rang, Toomas** Materials and contact characterisation VIII 2017 / p. 15-22 : ill https://doi.org/10.2495/MC170021 Conference proceedings at Scopus Article at Scopus

The measurement and tuning of SiC diode voltage doubler represented as diffusion-welded stack [Online resource]
Toompuu, Jana; **Sleptšuk, Natalja**; **Land, Raul**; **Korolkov, Oleg**; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill https://doi.org/10.1109/BEC.2018.8600963

The method of quantum optical communication based on entangled photon pairs
Udal, Andres; **Jaanus, Martin**; **Umbleja, Kadri**; **Reeder, Reeno** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 33-36 : ill

The piezo-electric impedance spectroscopy : solutions and applications = Piesoelektriline impedants-spektroskoopia : lahendused ja rakendused
Saar, Tõnis 2013 https://www.ester.ee/record=b2967240*est

Thermal analysis of a disposable, instrument-free DNA amplification lab-on-a-chip platform
Pardy, Tamas; **Rang, Toomas**; Tulp, Indrek Sensors 2018 / art. 1812, 13 p. : ill https://doi.org/10.3390/s18061812 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Artice at WOS

3D finite element modelling of mixing phenomena in droplet-based microfluidic systems
Szomor, Zsombo; **Gyimah, Nafisat**; Fürjes, Peter; Pardy, Tamas 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 4 p https://doi.org/10.1109/BEC61458.2024.10737975 Conference proceedings at Scopus Article at Scopus Article at WOS

Throughput and channel aware MAC scheduling for SmartBAN standard
Khan, Rida; **Alam, Muhammad Mahtab**; Paso, Tuomas; Haapola, Jussi IEEE Access 2019 / p. 63133-63145 : ill https://doi.org/10.1109/ACCESS.2019.2916159 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Throughput-aware cooperative reinforcement learning for adaptive resource allocation in device-to-device communication
Khan, Muhidul Islam; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; **Yaacoub, Elias** Future Internet 2017 / art. 72, p. 1-17 : ill https://doi.org/10.3390/fi9040072

Tight coupling of GNSS and IMU using extended Kalman filtering
Babri, Usman Muhammad; Irfan Haider Jillani, Muhammad; Ahmad, Rizwan; **Alam, Muhammad Mahtab** 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 6 p https://doi.org/10.1109/BEC61458.2024.10737945 Conference proceedings at Scopus Article at Scopus Article at WOS

Time dependency of current harmonics for switch-mode power supplies
Iqbal, Muhammad Naveed; **Kütt, Lauri**; **Asad, Bilal**; **Vaimann, Toomas**; **Rassõlkin, Anton**; Demidova, Galina Applied sciences 2020 / art. 7806, 12 p. : ill https://doi.org/10.3390/app10217806 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Time-domain manipulating of short-time chirps
Paavle, Toivo; **Min, Mart** BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 129-132 : ill

A tool for lung nodules analysis based on segmentation and morphological operation
Gupta, Anindya; **Märtens, Olev**; **Le Moullec, Yannick**; **Saar, Tõnis** 2015 IEEE 9th International Symposium on Intelligent Signal Processing (WISP 2015) : Siena, Italy, 15-17 May 2015 : [proceedings] 2015 / p. 193-197 : ill http://dx.doi.org/10.1109/WISP.2015.7139186

Towards a wearable device for capacitive monitoring of electrical bioimpedance of human body
Metshein, Margus; **Parve, Toomas** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Towards efficient wireless body area network using two-way relay cooperation
Waheed, Maham; Ahmad, Rizwan; **Alam, Muhammad Mahtab** Sensors 2018 / art. 565, 23 p. : ill https://doi.org/10.3390/s18020565 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Towards optimal placement and runtime migration of time-sensitive services of connected and automated vehicles
Elgarhy, Osama Mohamed Mostafa; **Le Moullec, Yannick**; Reggiani, Luca; Azeem, Muhammad Moazam; Taleb, Tarik; **Alam, Muhammad Mahtab** IEEE Open Journal of Vehicular Technology 2024 / p. 13-33 https://doi.org/10.1109/OJVT.2024.3496583

Transient computing pour les réseaux de capteurs sans fil à récolte d'énergie : méthodes d'hibernation et aspects architecturaux
Le Moullec, Yannick; Diguet, Jean-Philippe Compas 2016 : Conférence d'informatique en Parallélisme, Architecture et Système 2016 : Lorient, France, 5-8 July 2016 2016 / [8] p

Transmission fiber nonlinearity mitigation in optical communication links using phase-sensitive parametric amplifiers = Edastusfiibri mittelineaarsete mõjutuste vähendamine optilistes sidesüsteemides faasitundlike parameetriliste võimendite abil
Astra, Egon 2019 https://digikogu.taltech.ee/et/Item/2a85df1e-6c58-45ef-8814-29510894bfc3

TTÜ Mektory Kosmosekeskuse satelliidi alamsüsteemid on valmis
Gordon, Rauno Mente et Manu 2017 / lk. 39 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1 https://artiklid.elnet.ee/record=b2820650*est

TTÜ100 Satelliidiga läheb kosmosesse "Ta lendab mesipuu poole"
Gordon, Rauno Mente et Manu 2017 / lk. 39 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_04_2017/mobile/index.html#p=1 https://artiklid.elnet.ee/record=b2826921*est

Tudengisatelliit Hämarik lõpetas langeva tähena
Imeline Teadus 2024 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

2018 16th Biennial Baltic Electronics Conference (BEC) : TalTech University, October 8-10, 2018, Tallinn, Estonia [Online resource]
2018 https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8560605 https://www.ester.ee/record=b2150914*est

2018 IEEE Nordic Circuits and Systems Conference (NORCAS) : NORCHIP and International Symposium of System-on-Chip (SoC) : 30-31 October 2018, Tallinn, Estonia : proceedings in IEEE Xplore [Online resource]

2018 https://ieeexplore.ieee.org/xpl/conhome/8552599/proceeding

Tõenäoliselt peideti piiparitesse lõhkelaengud
Pärn, Rein postimees.ee 2024 Tõenäoliselt peideti piiparitesse lõhkelaengud

UAV and SWIPT assisted disaster aware clustering and association
Hassan, Ali; Ahmad, Rizwan; Ahmed, Waqas; Magarini, Maurizio; **Alam, Muhammad Mahtab** IEEE Access 2020 / p. 204791−204803 https://doi.org/10.1109/ACCESS.2020.3035959 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

UAV trajectory planning for disaster scenarios
Javed, Sadaf; Hassan, Ali; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab**; Rodrigues, Joel J. P. C. Vehicular Communications 2023 / art. 100568, 12 p. : ill https://doi.org/10.1016/j.vehcom.2022.100568 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ultrasonic transducers self-calibration of nonlinear time reversal based experiments using memristor [Online resource]
Dos Santos, Serge; **Masood, Ali** 12th European Conference on Non-destructive Testing : proceedings 2018 / 8 p. : ill http://www.ecndt2018.com/abstract/ultrasonic-transducers-self-calibration-of-nonlinear-time-reversal-based-experiments-using-memristor/ http://www.ecndt2018.com/programme/list-of-authors/

A Unique backoff algorithm in IEEE 802.15.6 WBAN
Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab** 2018 IEEE 88th Vehicular Technology Conference (VTC-Fall) :Chicago, IL, USA27 - 30 August 2018 : proceedings 2018 / 5 p. : ill https://doi.org/10.1109/VTCFall.2018.8690812 Conference proceedings at Scopus Article at Scopus Article at WOS

A unique backoff algorithm in IEEE 802.15.6 WBAN
Saboor, Abdul; Ahmad, Rizwan; Ahmed, Waqas; **Alam, Muhammad Mahtab** The 88th IEEE Vehicular Technology Conference : Final Programme, 27-30 August 2018, Chicago, USA 2018 / p. 48 http://www.ieeevtc.org/vtc2018fall/final-program.pdf

Unsupervised feature mapping via stacked sparse autoencoder for automated detection of large pulmonary nodules in CT images
Gupta, Anindya; Saar, Tõnis; **Märtens, Olev**; **Le Moullec, Yannick** Elektronika ir elektrotechnika = Electronics and electrical engineering 2017 / p. 59-63 : ill https://doi.org/10.5755/j01.eie.23.6.19695 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Urban temperatures in Estonia 2014-2024 by Landsat data
Vint, Kairi; **Märtens, Olev**; Služenikina, Jekaterina Conference Program : 7th Winter Satellite Workshop 2025 / 2 p https://drive.google.com/file/d/1O04gQvxOtvpWq6Wu02oWrVdZtlxO4POr/view?pli=1

Using neural networks to model self-immune disease in terms of the alterations of the dynamic electrical impedance
Giannoukos, Georgios; **Min, Mart** Proceedings of the International Conference on Numerical Analysis and Applied Mathematics 2014 (ICNAAM-2014) : Rhodes, Greece, 22-28 September 2014 2015 / p. 850001-1 - 850001-4 https://doi.org/10.1063/1.4913056 Conference proceedings at Scopus Article at Scopus Article at WOS

Uue ajastu diabeediravi
Vaaks, Eveliis; **Metshein, Margus** Trialoog 2025 https://trialoog.taltech.ee/uue-ajastu-diabeediravi/

UWB positioning integrity estimation using ranging residuals and ML augmented filtering
Tommingas, Mihkel; **Alam, Muhammad Mahtab**; **Müürsepp, Ivo**; Ulp, Sander IEEE Journal of indoor and seamless positioning and navigation 2024 / p. 205-218 https://doi.org/10.1109/JISPIN.2024.3418296

Validation of simulations of eddy current methods with measurements on phantom materials for biomedical engineering R&D
Pesti, Ksenija; **Kõiv, Hip**; **Gordon, Rauno** International journal of bioelectromagnetism 2015 / p. 57-63 : ill

Validation of simulations of eddy current methods with measurements on phantom materials for biomedical engineering R&D
Pesti, Ksenija; **Kõiv, Hip**; **Gordon, Rauno** The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [4] p. : ill

Validation of wired and wireless interconnected body sensor networks
Talpur, Anum; Shaikh, Faisal Karim; Baloch, Natasha; Felemban, Emad; Khelil, Abdelmajid; **Alam, Muhammad Mahtab** Sensors 2019 / art. 3697, 23 p. : ill https://doi.org/10.3390/s19173697 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Variation of cardiac and respiratory waveform on human thorax in the case of inductive coupling

Metshein, Margus; **Annus, Paul**; **Land, Raul**; **Krivošei, Andrei**; **Ojarand, Jaan**; Aabloo, Alvo; **Min, Mart** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 671-674 : ill https://doi.org/10.1007/978-981-10-5122-7_168 Conference proceedings at Scopus Article at Scopus Article at WOS

Wearable data acquisition system of multimodal physiological signals for personal health care
Annus, Paul; **Samieipour, Ali**; **Rist, Marek**; Ruiso, Indrek; **Krivošei, Andrei**; **Land, Raul**; **Parve, Toomas**; **Min, Mart** pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 107-112 : ill https://doi.org/10.3233/978-1-61499-268-4-107 Journal metrics at Scopus Article at Scopus

Wearable m-assessment system for neurological disease patients
Kuusik, Alar; **Alam, Muhammad Mahtab**; **Kask, Triin**; **Gross-Paju, Katrin** Proceedings : IEEE 4th World Forum on Internet of Things 2018 / p. 201-206 : ill https://doi.org/10.1109/WF-IoT.2018.8355165

Wearable solutions for monitoring cardiorespiratory activity = Kehal kantavad vahendid kardiorespiratoorse aktiivsuse jälgimiseks
Metshein, Margus 2018 https://digi.lib.ttu.ee/i/?9961 https://www.ester.ee/record=b5140297*est

Wearable system for non-invasive and continuous monitoring central aortic pressure curve and augmentation index
Krivošei, Andrei; **Lamp, Jürgen**; **Min, Mart**; **Uuetoa, Tiina**; **Uuetoa, Hasso**; **Annus, Paul** pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 101-106 : ill https://doi.org/10.3233/978-1-61499-268-4-101 Conference Proceedings at Scopus Article at Scopus

Wearable wireless sensor networks for emergency response in public safety networks
Alam, Muhammad Mahtab; Ben Arbia, Dhafer; Ben Hamida, Elyes Wireless public safety networks 2 : a systematic approach 2016 / p. 63-94 : ill https://doi.org/10.1016/B978-1-78548-052-2.50003-7

Wideband excitation signals for fast impedance spectroscopy of biological objects = Lairiba ergutussignaalid bioloogiliste objektide kiiretoimelise bioimpedants-spektroskoopia jaoks
Ojarand, Jaan 2012 https://www.ester.ee/record=b2896512*est

5G-hirmudel pole teaduslikku alust
Müürsepp, Ivo Postimees 2019 / Arter, lk. 26 Lükkame ümber! 5G-hirmudel pole teaduslikku alust

Vision towards 5G : comparison of radio propagation models for licensed and unlicensed indoor femtocell sensor networks
Shabbir, Noman; **Kütt, Lauri**; **Alam, Muhammad Mahtab**; **Roosipuu, Priit** Physical communication 2021 / art. 101371 https://doi.org/10.1016/j.phycom.2021.101371 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Workforce management in small student run satellite program
Dihuliya, Divya; **Vihmand, Mart**; **Ehrminger, Robin** 66th International Astronautical Congress 2015 (IAC 2015) : Space - The Gateway for Mankind's Future, Jerusalem, Israel, 12-16 October 2015 2015 / p. 10135-10137 https://dl.iafastro.directory/event/IAC-2015/paper/31126/ Conference proceedings at Scopus Article at Scopus

Võta või jäta!
Rang, Toomas Mente et Manu 2010 / lk. 2 : fot. ; 12. veebr., lk. 3 : fot https://www.ester.ee/record=b1242496*est

Väikesatelliit TTÜ100 : läbi testide tähtede poole
Kongas, Kerttu Director. Inseneeria 2017 / lk. 128-131 : fot http://www.ester.ee/record=b1519314*est https://artiklid.elnet.ee/record=b2830945*est

Värske veri TTÜs
Alam, Muhammad Mahtab; **Kolde, Kristjan**; **Kuivjõgi, Kaja**; **Lung, Marti**; **Parnell, Kevin Ellis**; **Preis, Sergei** Mente et Manu 2018 / lk. 47-49 : portr https://ttu.ee/public/m/mente-et-manu/MM_02_2018/mobile/index.html#p=6 http://www.ester.ee/record=b1242496*est http://dea.digar.ee/publication/AKmenteetmanu https://artiklid.elnet.ee/record=b2862662*est

Õppejõud Priit Roosipuu: ebaõnnestumised väga head õppimiskohad
Jakobson, Maris postimees.ee 2023 Õppejõud Priit Roosipuu: ebaõnnestumised väga head õppimiskohad

Ökonoomsete negatiivse diferentsiaaltakistusega astmete ja elementide disainimine ja optimeerimine
Taniloo, Rainer 2005 https://www.ester.ee/record=b2073482*est

Ülikool ootab ettevõtlikust, efektiivsust ja edukust
Rang, Toomas Mente et Manu 2015 / lk. 8-9 : fot https://artiklid.elnet.ee/record=b2725557*est

Yannick Le Moullec. Combines electronics and health applications

Le Moullec, Yannick Estonian Centre of Excellence in ICT Research 2021 / p. 21-25 : ill http://www.digar.ee/id/nlib-digar:634779 https://www.ester.ee/record=b5456158*est

В ближайшие дни FM-волны будет штормить
Saar, Sandra rus.err.ee 2023 В ближайшие дни FM-волны будет штормить

Из-за перебоев с электричеством у многих жителей Эстонии поломалась бытовая техника. Кто выплатит компенсацию?
Kappi, A-M. rus.postimees.ee 2024 Из-за перебоев с электричеством у многих жителей Эстонии поломалась бытовая техника. Кто выплатит компенсацию?

Низкотемпературный отжиг слаболегированных слоев n-4H-SiC после облучения быстрыми электронами
Korolkov, Oleg; Kozlovski, Vitali; Lebedev, Alexander; **Sleptšuk, Natalja**; **Toompuu, Jana**; **Rang, Toomas** Физика и техника полупроводников 2019 / с. 991-994 https://doi.org/10.21883/FTP.2019.07.47879.9089

Преподаватель Taltech рассказал, почему глушитель GPS влияет на авиасообщение
Arula, Eili; **Müürsepp, Ivo** rus.postimees.ee 2024 Преподаватель Taltech рассказал, почему глушитель GPS влияет на авиасообщение

Современные носители данных не гарантируют сохранности фотографий и видео
Piir, Rait nauka.err.ee 2024 Современные носители данных не гарантируют сохранности фотографий и видео