

Ajuinseneeria : erksuses ja rahuloleku nupp pea küljes

Strandberg, Marek Inseneeria 2015 / lk. 6 : fot https://artiklid.elnet.ee/record=b2738545*est

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>

Arst vajab tehnikat

Hinrikus, Hiie Eesti Päevaleht 1996 / 26. juuni, lk. 7

Arterial stiffness assessment for early diagnosis of atherosclerosis

Pikta, Marika; Viigimaa, Margus; Pilt, Kristjan; Kõots, Kristina; Meigas, Kalju Cardiology 2015 / p. 32
<https://www.karger.com/Article/Abstract/431110>

Automatic detection of multisize pulmonary nodules in CT images : large-scale validation of the false-positive reduction step

Gupta, Anindya; Saar, Tõnis; Märten, 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](#)

Biomeditsiiniinsener - kes see on?

Meigas, Kalju; Kello, Karl Õpetajate Leht 2009 / 11. dets., lk. 9 : portr https://artiklid.elnet.ee/record=b1508838*est

Biomeditsiinitehnika - tehnoloogia tervise heaks

Hinrikus, Hiie; Bachmann, Maie; Pilt, Kristjan; Meigas, Kalju; Fridolin, Ivo Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 48-58 : ill https://www.ester.ee/record=b5208765*est

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

Bupropion SR vs placebo for smoking cessation in health care professionals

Zellweger, Jean-Pierre; Boelcskei, Pal Laszio; Carrozzi, Laura; **Sepper, Ruth;** Sweet, Ruth; Hider, Amy Z. American journal of health behavior 2005 / 3, p. 240-249 <https://pubmed.ncbi.nlm.nih.gov/15899687/>

Calculation of plate plane motion parameters using inertial measurement system

Žigailov, Sergei; Verchenko, Anton; Musalimov, Victor; **Arjassov, Gennadi** Proceedings of the 10th International Conference of DAAAM Baltic Industrial Engineering, 12-13th May 2015, Tallinn, Estonia 2015 / p. 192-198 : ill

A Case Study on Data Protection for a Cloud- and AI-based Homecare Medical Device

Bende, Philipp; **Vovk, Olga;** Caraveo, David; Pechmann, Ludwig; Leucker, Martin HEDA 2022 : Proceedings of the International Health Data Workshop, co-located with 10th International Conference on Petrinets, Petri Nets 2022 2022 / p. 1-13 https://ceur-ws.org/Vol-3264/HEDA22_paper_3.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#)

A case study on data protection for a cloud- and AI-based homecare medical device

Bende, Philipp; **Vovk, Olga;** Caraveo, David; Pechmann, Ludwig; Leucker, Martin Transactions on Petri Nets and Other Models of Concurrency XVII 2024 / p. 138 - 161 https://doi.org/10.1007/978-3-662-68191-6_6 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Complex signal classification algorithms based on the third-order statistical models

Lossmann, Eerik 1999 http://www.ester.ee/record=b1273070*est

Design and implementation of a smart mechatronic elbow brace

Vu, Trieu Minh; Tamre, Mart; Safonov, Aleksei; Musalimov, Victor; Kovalenko, Pavel; Monakhov, Iurii Handbook of research on advanced mechatronic systems and intelligent robotics 2020 / p. 1-18 : ill <https://doi.org/10.4018/978-1-7998-0137-5.ch001>

Design of a wearable mechatronic brace

Vu, Trieu Minh; Tamre, Mart; Safonov, Aleksei; Kovalenko, Pavel; Monahov, Juri 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 9-13 : ill http://ise.elnet.ee/record=b2949854~S2*est

Developing autonomous robotic transport systems for hospitals and medical facilities : legal challenges

Kerikmäe, Tanel; Kajander, Aleks Oskar Johannes; Hamulak, Ondrej; Mesarčik, Matuš; Andraško, Jozef; **Liiv, Innar** Icon 2023 / p. 88-104 <https://www.icohtec.org/icon/volume-28-issue-2-2023/> <https://doi.org/10.11590/icon.2023.2.04> [Journal metrics at Scopus](#) [Article at Scopus](#)

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 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](#)

Device and methods for performing transesophageal stimulation at reduced pacing current threshold

Anier, Andres; Kaik, Jüri; Meigas, Kalju Estonian journal of engineering 2008 / 2, p. 154-166 : ill

Eesti-Saksa ettevõtte arendas laboritäpsusega koroonakiirtesti

Eesti Elu : [Kanada ajaleht] 2020 / lk. 3 <https://eestielu.com/et/eesti-elu/paberleht/11209-eesti-elu-nr-48-4-detsember-2020-digileht>

Elektrilised meditsiiniseadmed

Aid, Siim; Meigas, Kalju; Risthein, Endel; Leitmäe, Urmas 2000 https://www.ester.ee/record=b1378853*est

Elektroonikainstituudi teadlaste leiutis aitab jälgida südame-veresoonkonna tervist

Härmät, Karin Mente et Manu 2021 / lk. 47 [Mente et Manu 1/2021 https://www.ester.ee/record=b1242496*est](https://www.ester.ee/record=b1242496*est)

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

Estonian case for mapping the needs and challenges for assessment of digital health technologies

Lubi, Kadi; Kruus, Liis; Kuldkepp, Kristiina; Tomson, Marju; Ross, Peeter; Ross, Tanel; Elland, Maarja-Liis Patient education and counseling 2023 / p. 118 <https://www.sciencedirect.com/science/article/pii/S0738399122007431> <https://doi.org/10.1016/j.pec.2022.10.271>

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/CEMEM-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/CEMEM150341>

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

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>

Hippokratese vanne vs raha võim tervishoius, ehk, Meditsiinitehnika võimalikkusest tänapäeva tervishoius

Rändvee, Liina Halduskultuur 2001 : teaduskonverentsi materjalid 2002 / lk. 220-227 https://artiklid.elnet.ee/record=b2109963*est

Improvement of lock-in electrical bio-impedance analyzer for implantable medical devices

Min, Mart; Parve, Toomas IEEE transactions on instrumentation and measurement 2007 / 3, p. 968-974

Insenerid südame kallal : [elektroonikainstituudi doktorandi Rauno Gordoni teadustööst]

Matiisen, Mirjam Linnalet 2005 / lk. 6 : portr (Noored teadlased)

ITK sai kaasaegseima diagnostikaseadme

mu.ee 2022 [ITK sai kaasaegseima diagnostikaseadme](#)

Jugamassaaži aerodünaamika ja tehnoloogia

Kristjuhan, Ülo; Reedik, Vello; Tähemaa, Toivo Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 254 https://www.ester.ee/record=b1052731*est

Jugamassaažil toimivad aero- ja termodünaamilised protsessid : väitekiri ... tehnika magistrikraadi taotlemiseks

Tähemaa, Toivo 1996 http://www.ester.ee/record=b2681039*est

Kuidas käib masin, mis aitab käia?

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/kuidas-kaib-masin-mis-aitab-kaia/>

Ma kaitsen end... !

Gabriel, Sirje Pikker 2001 / lk. 11-13 <https://dea.digar.ee/?a=d&d=AKpikker200109.2.19&e=-----et-25--1--txt-txN%7ctxTI%7ctxAU%7ctxTA----->

Mathematical modelling of the interaction of an air jet and an elastic body

Reedik, Vello; Martin, Andres 1999 https://www.ester.ee/record=b1225452*est

Mathematical models in mechanical and biomedical tribology with computational simulations/optimization methods

Casesnoves, Francisco; Surženkov, Andrei International journal of scientific research in computer science, engineering and information technology 2017 / p. 62-89 : ill <http://ijsrcseit.com/CSEIT17211>

Measurement and analysis of human lower limbs movement parameters during walking

Žigailov, Sergei; Kuznetsov, Artem; Musalimov, Victor; **Arjassov, Gennadi** Mechatronic systems and materials VI 2015 / p. 538-543 : ill <https://doi.org/10.4028/www.scientific.net/SSP.220-221.538> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Measurement and analysis of human lower limbs movement parameters during walking

Žigailov, Sergei; Kuznetsov, Artem; Musalimov, Victor; **Arjassov, Gennadi** The 9th International Conference Mechatronics Systems and Materials : MSM-2013 : abstracts 2013 / p. 268

Meditiinidiagnostika labor käepärastest vahenditest

Strandberg, Marek Inseneeria 2015 / lk. 9 : ill https://artiklid.elnet.ee/record=b2738561*est

Meditiinitehnikat leidub nii haiglas kui ka meie kõigi kodudes [Võrguväljaanne]

delfi.ee 2022 [Meditiinitehnikat leidub nii haiglas kui ka meie kõigi kodudes](#)

Methods of multi-frequency bioimpedance measurement in implantable and wearable devices

Min, Mart; Parve, Toomas; Poola, Gustav Proceedings of the 3rd European Medical & Biological Engineering Conference EMBC'05 : November 20-25, 2005, Prague, Czech Republic 2005 / [4] p

Methods, devices and results of arterial stiffness estimation

Pilt, Kristjan Cardiology 2015 / p. 15 <https://www.karger.com/Article/Abstract/431110>

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

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

Modification of pulse wave signals in electrical bioimpedance analyzer for implantable medical devices

Min, Mart; Kink, Andres; **Land, Raul; Parve, Toomas; Rätsep, Indrek** Proceedings of the 26. Annual International Conference of the IEEE EMBS : September 1-5, 2004, San Francisco, California, USA 2004 / p. 2263-2266 <https://pubmed.ncbi.nlm.nih.gov/17272178/>

Moodne kuulatustoru joonistab südametöö üles

Viiron, Kristiina Eesti Päevaleht 2014 / lk. 20 <https://dea.digar.ee/?a=d&d=eestipaevaleht20141016.2.20.14&e=-----et-25--1--txt-txN%7ctxTI%7ctxAU%7ctxTA----->

Multichannel bioimpedance spectroscopy : instrumentation methods and design principles = Paljukanaliline bioimpedantsspektroskoopia : mõõtemetodid ja disaini printsiibid

Annus, Paul 2009 http://www.ester.ee/record=b2557759*est

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

Optimization of aerodynamic processes acting in jet massage devices : research report ME-1996-01

Reedik, Vello; Kristjuhan, Ülo; Tähemaa, Toivo 1996 https://www.ester.ee/record=b1059183*est

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>

Pacemakers of insect olfactory organs

Huotari, M.; Mela, M.; Meyer-Rochow, S. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 57-58: ill

Parim ärimudel : lapseootel naiste ööpäevaringne järelvalve : [ka intervjuu tudengite ärimudeli konkursi Mektory võitnud võistkonna esindaja Anton Vedeshiniga]

Talv, Terje; Vedešin, Anton Mente et Manu 2013 / lk. 14 : fot https://artiklid.elnet.ee/record=b2601403*est

Photon propagation in tissue and in biological fluids applied for vascular imaging and haemodialysis monitoring

Fridolin, Ivo 2003 https://www.ester.ee/record=b1908470*est

Photon propagation in tissue and in biological fluids applied for vascular imaging and haemodialysis monitoring

Fridolin, Ivo 2009 https://www.ester.ee/record=b2637490*est

Pneumatic devices for lower limbs massage

Reedik, Vello; Kristjuhan, Ülo; Tähemaa, Toivo OST-96 Symposium on Machine Design, [Stockholm], May 13-14, 1996 : proceedings 1996 / p. 108-112: ill https://www.ester.ee/record=b1033950*est

Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia

Hinrikus, Hiie; Meigas, Kalju; Lass, Jaanus; Riipulk, Jevgeni 1999 https://www.ester.ee/record=b1292540*est

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](#)

Regionaalhaigla Meditsiinitehnika teenistuse insenerid läbi aegade = Engineers of the Medical Technology Division at the North Estonia Medical Centre through different times

Paats, Andrus Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiaste instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinfüüsika Ühingu = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics 2024 / lk. 47-52, p. 45-51 : ill

Robot kirurgias

Vain, Jüri Horisont 2009 / 1, lk. 39-41 : ill https://artiklid.elnet.ee/record=b1069483*est

Scrub nurse robot system - intraoperative motion analysis of a scrub nurse and timed-automata-based model for surgery

Miyawaki, Fujio; Masamune, Ken; Suzuki, Satoshi; Yoshimitsu, Kitaro; Vain, Jüri IEEE transactions on industrial electronics 2005 / 5, p. 1227-1235 : ill <https://ieeexplore.ieee.org/abstract/document/1512454>

Signal-shape locked loop (SSLL) as an adaptive separator of cardiac and respiratory components of bio-impedance signal

Krivošei, Andrei; Min, Mart; Kukk, Vello IEEE International Workshop on Medical Measurement and Applications : MeMeA-2007 : Warsaw, Poland, 4-5 May 2007 2007 / p. 47-52 <https://ieeexplore.ieee.org/document/4285161>

Simple coherence method for blood flow detection

Meigas, Kalju; Hinrikus, Hiie; Kattai, Rain; Lass, Jaanus Coherence Domain Optical Methods in Biomedical Science and Clinical Applications IV : 24-26 January, 2000, San Jose, California 2000 / p. 112-120 : ill <https://www.spiedigitallibrary.org/conference-proceedings-of-spie/3915/0000/Simple-coherence-method-for-blood-flow-detection/10.1117/12.384147.short>

Smart elbow brace with electromyography sensors

Vu, Trieu Minh; Tamre, Mart; Moezzi, Reza; Safonov, Aleksei; Musalimov, Victor Sensor letters 2018 / p. 924-930 <https://doi.org/10.1166/sl.2018.4045>

Teaduspreemia biomeditsiinitehnikale : [tänuõnad riikliku teaduspreemia saamise puhul]

Hinrikus, Hiie Tehnikaülikool 2000 / 20. märts, lk. 12-14 : portr https://www.ester.ee/record=b5309277*est

Tehnikaraamat

Wright, Michael; Patel, Mukul 2001 https://www.ester.ee/record=b1526774*est

Tehnikaülikoolis kirjutatakse ravirobotitele uut tarkvara

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

Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiate instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinifüüsika Ühingu = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics

2024

The investigation of the Therac-25 accidents

Zdanov, Vassili A & A 2007 / 6, lk. 20-32 : ill https://artiklid.elnet.ee/record=b1021179*est

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

TTÜ Tehnomeedikum. Biomeditsiinitehnika instituut

Hinrikus, Hiie; Meigas, Kalju Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 92-96 : ill
https://www.ester.ee/record=b2412718*est

В медицине без техники никуда : [беседа с Хийе Хинрикус]

Hinrikus, Hiie; Репьев, Сергей Эстония 1999 / 8 июня, с. 1

Механико-математический анализ усилий и напряжений при остеосинтезе нижней челюсти

Tümanok, Aleksei; Semennikov, V. Стоматология 1983 / с. 23-26 https://www.ester.ee/record=b1843575*est

Механико-математический анализ усилий, развивающихся в местах контакте фиксатора и кости при остеосинтезе

Semennikov, V.; Tümanok, Aleksei Стоматология 1983 / с. 36-37 https://www.ester.ee/record=b1843575*est

Нитрозоамины в резиновых изделиях пищевого и медицинского назначения

Prokofjeva, L.G.; Tauts, Olev; Melamed, D.V.; Kostjukovski, J.L. Каучук и резина : ежемесячный научно-технический журнал 1988 / с. 43-44 : илл https://www.ester.ee/record=b2145558*est