

A practical approach to cognitive sonar performance modeling

Berdnikova, Julia Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 83-87 : ill

A robust detector for impulsive noise environment

Trump, Tõnu Proceedings of the Forty-first Asilomar Conference on Signals, Systems and Computers : Asilomar, USA, November 4-7, 2007 2007 / ? p <https://ieeexplore.ieee.org/document/4487311/keywords#keywords>

A SPICE pseudorandom signal generator

Liberatore, A.; Luchetta, A.; Manetti, S.; Piccirilli, Maria Cristina BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 437-442: ill https://www.ester.ee/record=b2150914*est

A two-stage approach to 2D DOA estimation for a compact circular microphone array

Astapov, Sergei; Berdnikova, Julia; Preden, Jürge-Sören 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [proceedings] 2015 / [6] p. : ill

A two-stage approach to 2D DOA estimation for a compact circular microphone array

Astapov, Sergei; Berdnikova, Julia; Preden, Jürge-Sören 2015 4th International Conference on Informatics, Electronics & Vision (ICIEV) : [abstracts] 2015 / p. 74-75

Adaptiivsed filtrid ning nende rakendused sidesüsteemides

Trump, Tõnu 2008 http://www.ester.ee/record=b2394450*est <https://digikogu.taltech.ee/et/Item/51142671-1474-43d5-9216-0fa53d9de5cd>

Adaptive filter combinations

Trump, Tõnu Recent advances in telecommunications and circuits : [proceedings of the 11th ELECTROSCIENCE'13, 2nd CSCCA'13, 1st SSC'13, 1st ANPRO'13 : Dubrovnik, Croatia, June 25-27, 2013] 2013 / p. 12 : portr

An adaptively tunable model of the cardiac signal for the bio-impedance signal decomposer (BISD)

Krivošei, Andrei; Kuk, Vello; Min, Mart MeMeA 2008 : IEEE International Workshop on Medical Measurements and Applications : 9-10 May 2008, Ottawa, Ontario, Canada 2008 / p. 49-52

Adaptive-rate inductive impedance based coin validation

Märtens, Olev; Land, Raul; Gavrijaševa, Alina; Mölder, Ago 2011 IEEE 7th International Symposium on Intelligent Signal Processing (WISP) : Floriana, Malta, September 19-21, 2011 : proceedings 2011 / p. 122-125: ill

Advanced FFT and block-phase beamforming for sensor arrays

Ruuben, Toomas Proceedings of the conference "Undersea Defense Technology Europe 2005" : June 21-23, 2005, Amsterdam 2005 / p. ?

Aerial imagery terrain classification for long-range autonomous navigation

Hudjakov, Robert; Tamre, Mart Proceedings of International Symposium on Optomechatronic Technologies : ISOT 2009 2009 / p. 88-91 <https://ieeexplore.ieee.org/document/5326104>

Ambient data-based online identification and location of frequency oscillations

Cai, Guowei; Xuan, Lei; Sun, Zhenglong; Chao, Jiang; Belikov, Juri; Levron, Yoash International Journal of Electrical Power and Energy Systems 2024 / art. 109843 <https://doi.org/10.1016/j.ijepes.2024.109843> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An affine combination of adaptive filters for channels with different sparsity levels

Butsenko, Maksim; Trump, Tõnu Telfor journal 2016 / p. 32-37 : ill <http://dx.doi.org/10.5937/telfor1601032B>

An affine combination of adaptive filters for sparse impulse response identification

Butsenko, Maksim; Trump, Tõnu 2015 23rd Telecommunications Forum (TELFOR) : Belgrade, Serbia, November, 24-26, 2015 : proceedings of papers = XXIII Телекомуникациони Форум ТЕЛФОР 2015 : зборник радова 2015 / p. 396-399 : ill <http://dx.doi.org/10.1109/TELFOR.2015.7377491>

An engineering approach to time-frequency uncertainty criteria

Udal, Andres; Kuk, Vello Elektronika ir elektrotehnika. T 121, Signalu tehnoloģija = Electronics and electrical engineering. T121, Signal technology 2012 / p. 3-8 : ill https://www.researchgate.net/publication/268434924_An_Engineering_Approach_to_Time-Frequency_Uncertainty_Criteria

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 output signal based combination of three LMS adaptive filters

Trump, Tõnu 2013 18th International Conference on Digital Signal Processing (DSP) : [proceedings] 2013 / [6 p.] : ill

An output signal based combination of two NLMS adaptive algorithms

Trump, Tõnu 16th International Conference on Digital Signal Processing : July 5-7, 2009, Santorini, Greece 2009 / ? p

<https://ieeexplore.ieee.org/abstract/document/5201077>

An XML-based test development and deployment framework for mixed-signal and digital devices

Mellik, Andres; Raik, Jaan 2008 IEEE AUTOTESTCON. Vols. 1 and 2 2008 / p. 193-196

An XML-based test development and deployment framework for mixed-signal and digital devices

Mellik, Andres Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 140-141 : ill

Analoogsignaali diskreetimine : metoodiline juhend laboratoorse töö sooritamiseks õppeaines "Raadiotehnilised ahelad ja signaalid"

1988 https://www.ester.ee/record=b1489254*est

Analüüs ja süntees Walsh signaalide abil

Heinrichsen, Vladimir Side. Raadio. Televisioon : infoseeria 10 1978 / lk. 18-22 : ill https://www.ester.ee/record=b1232303*est

Analysis and reproduction of a signal's periodic components by means of an extended block-adaptive Fourier analyzer

Ronk, Ants IEEE transactions on instrumentation and measurement 2003 / 1, p. 13-19 : ill <https://ieeexplore.ieee.org/document/1191405>

Analysis of common mode and rapidly varying voltage profile on stator current harmonics of an inverter-fed induction motor

Sardar, Muhammad Usman; Vaimann, Toomas; Kütt, Lauri; Kallaste, Ants; Asad, Bilal; Kudelina, Karolina; Akbar, Siddique

2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p. : ill <https://doi.org/10.1109/RTUCON60080.2023.10413067>

The analysis of finger photoplethysmographic waveform in healthy volunteers and diabetes patients [Electronic resource]

Pilt, Kristjan; Meigas, Kalju; Temitski, Kristina; Viigimaa, Margus IFMBE proceedings ; Vol. 38 2013 / p. 55-58 : ill [CD-ROM]

https://doi.org/10.1007/978-3-642-34197-7_14 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Andursignaalide töötlemine ja andursüsteemid : metoodiline juhend

1988 https://www.ester.ee/record=b1239930*est

Anions detection limits reduction in polar ice core analysis using correlation ion chromatography with detector signal processing

Ivask, Jüri; Kaljurand, Mihkel 24th Estonian Chemistry Days : abstracts of scientific conference 1998 / p. 22

Applications of a combination of two adaptive filters

Trump, Tõnu Adaptive filtering - theories and applications 2013 / p. 61-89 : ill

Applications of modern DSP processors

Kalinina, Tatjana Raadiotehnika 2001 : VIII rahvusvahelise telekommunikatsioonipäeva materjalid 2001 / lk. 84-89 : ill

Applications of multi-resolution analysis for bioimpedance signal processing

Birjukov, Andrei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 115-118 : ill

ASIC for alcohol sensor

Kasemaa, Argo; Rang, Toomas BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 283-286: ill

Assessing the performance of a hybrid max-weight traffic signal control algorithm in the presence of noisy queue information: An evaluation of the environmental impacts

Liaquat, Muwahida; Vosough, Shaghayegh; Roncoli, Claudio; Charalambous, Themistoklis IET Intelligent Transport Systems 2024 / p. 2255-2272 : ill <https://doi.org/10.1049/itr2.12571> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of electroencephalographic measures applied in the detection of depression = Depressiooni avastamiseks kasutatavate elektroentsefalograafilise signaali mõõdikute analüüs

Päeske, Laura 2021 https://www.ester.ee/record=b5411747*est <https://digikogu.taltech.ee/et/Item/44751b09-b47f-4757-847f-dd0f1d39b91b> <https://doi.org/10.23658/taltech.17/2021>

Aufbau und Analyse eines Präprozessors zur Verarbeitung von Breitbandsignalen

Arro, Ilmar; Kangur, Oleg; Lumberg, Tõnu Nachrichtentechnik, Elektronik : technisch-wissenschaftliche Zeitschrift für die gesamte elektronische Nachrichtentechnik 1985 / S. 32-35 https://www.ester.ee/record=b1550811*est

Bio-Impedance Signal Decomposer (BISD) as an adaptive signal model based separator of cardiac and respiratory components

Krivošei, Andrei; Kukk, Vello; Birjukov, Andrei Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 29-32 : ill

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>

A bio-impedance signal synthesiser (BISS) for testing of an adaptive filtering system

Krivošei, Andrei BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 225-228 : ill

Biosignaali töötamise uurimisrühm = Biosignal Processing Research Group

Bachmann, Maie Tervisetehnoloogia eile, täna, homme : 30 aastat Tervisetehnoloogia instituuti ning Eesti Biomeditsiinitehnika ja Meditsiini füüsika 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. 37-41, p. 35-39 : ill

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

Classification of signal segments using higher order statistics-based models, wavelet transform and self-organizing maps

Lossmann, Erik; Meister, Ants 2nd Lithuanian Conference "Biomed. Engineering", 10-17. Oct. 1997 1997 / p. 25

Classification of signal segments using third-order statistic-based AR model and learning vector quantization

Lossmann, Erik; Martverk, Peep; Meister, Ants 9. Symposium Maritime Elektronik : Arbeitskreis Maritime Mess- und Informationselektronik 1998 / S. 117-120: ill

Cleaning-up dirty isotachopherograms in time and frequency domain

Reijenga, Jetse; **Seiman, Andrus** NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 131

Cleaning-up dirty isotachopherograms in time and frequency domain

Reijenga, Jetse; **Seiman, Andrus** Procedia chemistry 2010 / p. 67-75 : ill
<https://www.sciencedirect.com/science/article/pii/S1876619609004082>

CMOS current source for shortened square wave waveforms

Kasemaa, Argo; Annus, Paul BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 119-120 : ill

CMOS SP chip for resistor type semiconductor gas sensors

Kasemaa, Argo; Rang, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 255-256 : ill

CMOS technology based current source with harmonic reducing properties

Kasemaa, Argo; Annus, Paul Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 10, p. 143-146 : ill
<https://eejournal.ktu.lt/index.php/elt/article/view/9145>

Coherent digital sonars with optimal signal processing

Arro, Ilmar; Portsmouth, Raivo; Ruuto, Urmas UDT EUROPE 98 : Undersea Defence Technology : 23-25 June 1998, London, UK : conference proceedings 1998 / p. 61-63

Combined tomlinson pre-equalization and spectral shaping

Trump, Tõnu; Forssen, U. Proc. COST 229 WC.1+2 second vigo workshop on adaptive methods and emergent techniques for signal processing and communications, Spain 1993

Common algorithmic and structural description of procedures of short discrete Fourier transform

Arro, Ilmar; Trump, Tõnu; Smolyansky, L. Latvian Signal Processing International Conference : proceedings. Vol. 1 1990 / p. 118-122

Comparative analysis of proportionate least mean squares algorithms for sparse adaptive filtering

Butsenko, Maksim Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 19-22 : ill

Comparison of uncertainty relations in quantum mechanics and signal processing

Udal, Andres; Kukk, Vello; Velme, Enn; Klopov, Mihhail 11th International Conference on Squeezed States and Uncertainty Relations and 4th Feynman Festival : June 22-26, 2009, Olomouc, Czech Republic : book of abstracts 2009 / p. 135-136
https://jointlab.upol.cz/icssur2009/doc/bookabs_2nded.pdf

Comparison of uncertainty relations in quantum mechanics and signal processing [Electronic resource]

Udal, Andres; Kukk, Vello; Velme, Enn; Klopov, Mihhail 11th International Conference on Squeezed States and Uncertainty Relations and 4th Feynman Festival : Olomouc, Czech Republic, June 22-26, 2009 : conference proceedings 2009 / [16] p. [DVD]

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

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

A compositional approach to signal flow graphs

Sobocinski, Pawel Maria 31st Nordic Workshop on Programming Theory, NWPT 2019, Tallinn, Estonia, 13-15 November 2019 : abstracts 2019 / p. 2 <https://doi.org/10.23658/taltech.nwpt/2019>

Condition monitoring of electrical machines and its relation to industrial internet

Belahcen, Anouar; Gyftakis, Konstantinos N.; Martinez, Javier; Climente-Alarcon, Vicente; Vaimann, Toomas 2015 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 233-241 : ill <http://dx.doi.org/10.1109/WEMDCD.2015.7194535>

Contextual equivalence for signal flow graphs

Bonchi, Filippo; Piedeleu, Robin; Sobocinski, Pawel Maria; Zanasi, Fabio Foundations of Software Science and Computation Structures : 23rd International Conference, FOSSACS 2020, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2020, Dublin, Ireland, April 25-30, 2020 : proceedings 2020 / p. 77-96 https://doi.org/10.1007/978-3-030-45231-5_5
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings 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 mode signal processing as a challenge for improvement of lock-in measuring instruments

Min, Mart; Parve, Toomas XIV IMEKO World Congress : New Measurements - Challenges and Visions, 1-6 June 1997, Tampere, Finland. Vol. 7 1997 / p. 186-191: ill

Current mode signal processing in lock-in instruments for bioimpedance measurement

Min, Mart; Parve, Toomas Proceedings of the 1st International Conference on Bioelectromagnetism (ICBEM'96, Tampere, Finland, June 9-13, 1996) 1996 / p. 167-168

Current mode signal processing in modern lock-in amplifiers

Min, Mart; Parve, Toomas; Kuusik, Alar 8th International Symposium on New Measurement and Calibration Methods of Electrical Quantities and Instruments : Budapest, September 16-17, 1996 : proceedings [IMEKO TC-4] 1996 / p. 49-52 : ill

A current spectrum-based algorithm for fault detection of electrical machines using low-power data acquisition devices

Asad, Bilal; Raja, Hadi Ashraf; Vaimann, Toomas; Kallaste, Ants; Pomarnacki, Raimondas; Hyunh, Van Khang Electronics 2023 / art. 1746 <https://doi.org/10.3390/electronics12071746> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current-mode signal processing circuits

Männama, Vello Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 4, p. 237-249: ill

Decomposition method of an electrical bio-impedance signal into cardiac and respiratory components

Krivošei, Andrei; Kukk, Vello; Min, Mart Physiological measurement 2008 / 6, p. S15-S25 : ill
<https://pubmed.ncbi.nlm.nih.gov/18544800/>

Decomposition of the electrical bio-impedance signal : a signal model based method for separation of the cardiac and respiratory components

Krivošei, Andrei 2010 <https://www.amazon.com/Decomposition-electrical-bio-impedance-signal-respiratory/dp/3838372220>

Design and application of lock-in instruments

Min, Mart BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1

Design of broad band excitations with multisines

Dobrowiecki, Tadeusz; Schoukens, Johan BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 151-154: ill

Desing of wavelet filter bank for JPEG 2000 standard

Hahanova, I.; Hahanov, V.; **Fomina, Jelena**; Bykova, V.; Sorudeykin, K. Proceedings of IEEE East-West DesignAMPTest International Workshop (EWDTW'06) : Sochi, Russia 2006 / p. 327-331 <https://openarchive.nure.ua/items/5eb7b697-f891-42e3-9af1-142e0491e388>

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](#)

Detection of the consistency of two speech signals using pitch periods

Trump, Tõnu Proceedings of the Estonian Academy of Sciences 2013 / p. 88-96 : ill <https://doi.org/10.3176/proc.2013.2.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of the effect of weak stressors on human resting electroencephalographic signal = Nõrkade stressorite mõju avastamine inimese puhkeoleku elektroentsefalograafilises signaalis

Suhhova, Anna 2012

Development support for intelligent systems : test, evaluation, and analysis of microservices

Perbandt, Charline von; Tyca, Matthias; Koschel, Arne; **Astrova, Irina** Intelligent systems and applications : proceedings of the 2021 Intelligent Systems Conference (IntelliSys). Volume 1 2022 / p. 857-875 https://doi.org/10.1007/978-3-030-82193-7_58 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Digitaalse signaalitöötlusega ionosondid

Arro, Ilmar Side. Raadio. Televisioon : infoseeria 10 1983 / lk. 18-21 : ill https://www.ester.ee/record=b1232303*est

Digital alias-free signal processing

Bilinskis, Ivars 2007 <https://www.wiley.com/en-ie/Digital+Alias+free+Signal+Processing-p-9780470511626>

Digital multichannel bioimpedance analyser : signal processing approaches

Ronk, Ants; **Annus, Paul**; **Kuusik, Alar**; **Land, Raul**; **Märtens, Olev** Proceedings of the 3rd European Medical & Biological Engineering Conference EMBEC'05 : November 20-25, 2005, Prague, Czech Republic 2005 / [4] p https://www.researchgate.net/publication/224062830_A_Digital_Multichannel_Bioimpedance_Analyser_Signal_Processing_Task_and_its_Solution

A digital multichannel bioimpedance analyser : signal processing task and its solution

Annus, Paul; **Kuusik, Alar**; **Land, Raul**; **Märtens, Olev**; **Ronk, Ants** Proc. of the IEEE Instrumentation and Measurement Technology Conference : IMTC 2006 : Sorrento, Italy, April 24-27, 2006 2006 / p. 1405-1409 <https://doi.org/10.1109/IMTC.2006.328596>

Digital post-processing of the bio-impedance signal

Märtens, Olev; **Märtn, Hannes**; **Min, Mart**; **Parve, Toomas**; **Ronk, Ants** Proceedings of X International Conference on Electrical Bio-Impedance : ICEBI'98 : 5-9 April 1998, Barcelona 1998 / p. 445-448

Direct sequence spread spectrum digital radio

Kerek, Daniel; Saluvere, Teet; Tenhunen, Hannu BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 159-167: ill

Diskreetsignaali ja -süsteemide alused : õppevahend

Heinrichsen, Vladimir 1984 https://www.ester.ee/record=b1238966*est

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 network performance with static topology and unweighed communication

Ulp, Sander; **Trump, Tõnu** Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 126-130 : ill

Distributed adaptive network with SNR weighed communication

Ulp, Sander; **Trump, Tõnu** 2015 Third International Conference on Digital Information, Networking, and Wireless Communications

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

Don't do things that you can't undo : reversibility models for generating safe behaviours

Kruusmaa, Maarja; Gavšin, Juri; Eppendahl, A. Proceedings of the 2007 IEEE International Conference in Robotics and Automation : ICRA'07 : Rome, Italy, 10-14 April 2007 / p. 1134-1139 <https://ieeexplore.ieee.org/document/4209241>

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 I. <https://doi.org/10.1109/BEC56180.2022.9935588>

A dual filter scheme for secondary surveillance radar reply signals

Trump, Tõnu; Tart, Allan Recent advances in telecommunications and circuits : [proceedings of the 11th ELECTROSCIENCE'13, 2nd CSCCA'13, 1st SSC'13, 1st ANPRO'13 : Dubrovnik, Croatia, June 25-27, 2013] 2013 / p. 143-148 : ill

Effect of modulated microwave radiation on human resting electroencephalographic signal = Moduleeritud

mikrolainekiirguse mõju inimese puhkeoleku elektroentsefalograafilisele signaalile

Bachmann, Maie 2008 http://www.ester.ee/record=b2373842*est

Elementaarsignaali teisendamine inertsivabades mittelineaarsetes elementides, ahelates ja süsteemides : metoodiline juhend raadiotehniliste ahelate ja signaalide laboratoorsete tööde sooritamiseks

1978 https://www.ester.ee/record=b1314008*est

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 bandgap depth in locally resonant metastructures via notch-filtered piezoelectric actuation

Alimohammadi, Hossein; Vassiljeva, Kristina; Hosseinia Kani, Seyed Hassan; **Petlenkov, Eduard** 2024 IEEE International Conference on Industrial Technology (ICIT) 2024 <https://doi.org/10.1109/ICIT58233.2024.10540976> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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](#)

Establishing best practices in photoplethysmography signal acquisition and processing

Charlton, Peter H.; **Pilt, Kristjan**; Kyriacou, Panayiotis A. Physiological measurement 2022 / art. 050301, 6 p <https://doi.org/10.1088/1361-6579/ac6cc4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Estimation of complex derivatives application for fault diagnosis

Baraškova, Tatjana; Pascault, D. 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 19

Estimation of the complexity of the electroencephalogram for brain monitoring in intensive care = Electroentsefalogrammi kompleksuse hindamine aju monitooringul intensiivravits

Anier, Andres 2014 http://www.ester.ee/record=b3050804*est

Experimental challenges of guided wave tomography based on full waveform inversion for a pipe bend

Rasgado Moreno, Carlos Omar; Xu, Panpan; **Ratassepp, Madis** Guided Ultrasonic Waves: Emerging Methods (GUWEM): Linslerhof, Germany, 8-11 July 2024 : Abstracts 2024 / p. 30 <https://doi.org/10.5281/zenodo.12517188>

Exploiting time and frequency masking in consistent sinusoidal analysis-synthesis

Vafin, Renat; Vang Andersen, Soren; Kleijn, W. Bastiaan 2000 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 5-9 June, 2000, Hilton Hotel and Convention Center, Istanbul, Turkey. Vol. 2 2000 / p. 901-904 : ill

Extended block-adaptive Fourier analyser

Ronk, Ants ICCSC'02 : 1st IEEE International Conference on Circuits and Systems for Communications, 26-28 June, 2002, St.Petersburg, Russia : proceedings 2002 / p. 428-431 : ill <https://ieeexplore.ieee.org/document/1029133>

Faasmanipuleeritud sondeerivate signaalide vastuvõtja optimeerimine

Müürsepp, Ivo Raadiotehnika 2005 : XII rahvusvahelise telekommunikatsioonipäeva materjalid 2005 / lk. 48-58 : ill

Feasibility study : a DM3730-based data acquisition and processing solution

Mölder, Ago; Reidla, Marko; Märten, Olev; Land, Raul EDERC 2012 : proceedings of the 5th European DSP in Education & Research Conference : 13-14 September 2012, Amsterdam, The Netherlands 2012 / p. 58-61
<https://ieeexplore.ieee.org/document/6532225>

Fourier' rida : metoodiline juhend raadiotehniliste ahelate ja signaalide laboratoorse töö sooritamiseks

1984 https://www.ester.ee/record=b1245512*est

FPGA implementation of the polynomial curve fitting

Gorev, Maksim; Pesonen, Vadim Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 121-124 : ill

FPGA-based implementation of EEG analyzer

Gorev, Maksim; Pesonen, Vadim; Mihhailov, Dmitri; Jenihhin, Maksim; Ellervee, Peeter DATE'11 Friday Workshop on "Design Methods and Tools for FPGA-Based Acceleration of Scientific Computing" : Grenoble, France, March 2011 2011 / [1] p
<https://www.microsoft.com/en-us/research/wp-content/uploads/2017/03/ellervee.pdf>

FPGA-based implementation of EEG analyzer for detection of depressive disorder

Pesonen, Vadim; Gorev, Maksim; Mihhailov, Dmitri Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 67-70 : ill

FPGA-based systems in information and communication

Sklyarov, Valery; Skliarova, Iouliia; **Sudnitsõn, Aleksander** AICT2011 : 5th International Conference on Application of Information and Communication Technologies : 12-14 October, Baku, Azerbaijan : conference proceedings 2011 / p. 551-555
https://www.researchgate.net/publication/254014990_FPGA-based_systems_in_information_and_communication

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 pattern fitting in an extended block-adaptive Fourier analyser - I: indispensable restrictions

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 153-156 : ill

Frequency pattern fitting in an extended block-adaptive Fourier analyser - II: ordering of frequencies and fitting of them on disjoint sets of values

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 217-220

Frequency pattern fitting in an extended block-adaptive Fourier analyser - III: necessary detunings

Ronk, Ants BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 221-224 : ill

FSK tundlikkus harmoonilisele häirele

Meister, Ants Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid 2004 / lk. 104-108 : ill
https://www.ester.ee/record=b1910557*est

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](#)

Füsioloogiliste signaalide süsteem sagedusadaptiivse südamestimulaatori tüürimiseks : magistritöö

Lass, Jaanus 1996 https://www.ester.ee/record=b2687125*est

Guest editorial

Lande, Tor Sverre; **Ubar, Raimund-Johannes** Analog integrated circuits and signal processing 1999 / 1, p. 5-6

Guest editorial

Min, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 155-156

Gunshot acoustic component localization with distributed circular microphone arrays

Astapov, Sergei; Ehala, Johannes; Berdnikova, Julia; Preden, Jürjo-Sören DSP 2015 : 2015 IEEE International Conference on Digital Signal Processing (DSP) : 21-24 July 2015, Singapore 2015 / p. 1186-1190 : ill

High voltage circuit breaker charging motor's condition monitoring - importance, possibilities, and challenges

Asad, Bilal; Sardar, Muhammad Usman; Vaimann, Toomas; Kallaste, Ants; Asefi, Sajjad; Kilter, Jako 2024 International Conference on Diagnostics in Electrical Engineering (Diagnostics) 2024 / 7 p <https://doi.org/10.1109/Diagnostics61830.2024.10693906>

Higher order 1-bit Sigma-Delta modulation on a circle

Graf, Olga; Krahmer, Felix; Krause-Solberg, Sara 2019 International Conference on Sampling Theory and Applications (SampTA) : 13th International Conference : Bordeaux, France, July 8-12, 2019 : [proceedings] 2019 / 5 p
<https://sampta2019.sciencesconf.org/browse/author?authorid=715157>

Hyperspectral data processing and interpretation in remote sensing based on laser-induced fluorescence method =

Hüperspektraalse andmete analüüs ja tõlgendamine kaugeisires laser-induced-fluorescence-meetodi põhjal
Sobolev, Innokenti 2014

Improved modeling of audio signals by modifying transient locations

Vafin, Renat; Heusdens, Richard; Par, Steven van de; Kleijn, W. Bastiaan Proceedings of the 2001 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics : October 21-24, 2001, Mohonk Mountain House, New Paltz, New York, USA 2001 / p. 143-143 : ill <https://ieeexplore.ieee.org/document/969563>

Improvement of lock-in signal processing for applications in measurement of electrical bioimpedance

Parve, Toomas; Land, Raul Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 3, p. 185-197

Improvements in design of spectra of multisine and binary excitation signals for multi-frequency bioimpedance measurement

Land, Raul; Cahill, Brian; **Parve, Toomas; Annus, Paul; Min, Mart** 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society : EMBS : Boston, Massachusetts USA, August 30 - September 3, 2011 2011 / p. 4038-4041 : ill
<https://ieeexplore.ieee.org/document/6091003>

Industrial process monitoring by multi-channel acoustic signal analysis

Astapov, Sergei; Riid, Andri; Preden, Jürjo-Sören; Aruväli, Tanel 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. 209-212 : ill

Infoedastus pidevate signaalidega : õppevahend. II osa, Sideliini tihendamine ja kanalite eraldamine

Eiskop, Ilmar 1978 https://www.ester.ee/record=b1274921*est

Informatsiooni muundamine ja edastus telemehaanikas : õppevahend

Esop, Harri 1978 https://www.ester.ee/record=b1281516*est

In-phase matrix profile : a novel method for the detection of major depressive disorder

Uudeberg, Tuuli; Belikov, Juri; Päeske, Laura; Hinrikus, Hiie; Liiv, Innar; Bachmann, Maie Biomedical Signal Processing and Control 2024 / art. 105378 <https://doi.org/10.1016/j.bspc.2023.105378> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Insights into the string-barrier interaction dynamics based on high-speed camera measurements

Kartofelev, Dmitri; Arro, Joann Gustav; Välimäki, Vesa SMC 2020 : Proceedings of the 17th Sound and Music Computing Conference, Torino, Italy, June 24th - 26th 2020 2020 / p. 169-176 <https://smc2020torino.it/adminupload/file/SMC2020Proceedings.pdf>

Integrating robust technologies for mixed-signal system level test

Mellik, Andres VECIMS 2006 : proceedings of 2006 IEEE International Conference on Virtual Environments, Human-Computer Interfaces and Measurement Systems : La Coruña, Spain, 10-12 July 2006 2006 / p. 92-95 : ill
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4016671>

Intelligent signal processing for improved measurement reliability

Ruban, Olga 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 177-181 : ill

Interaction of the PSK signal with a phase array

Arro, Ilmar; Duhnik, Alina; Derkatš, Julia Elektronika ir elektrotehnika = Electronics and electrical engineering 2002 / 3, p. 50-52 : ill

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**; Driberg, Micheal IEEE Access 2019 / art. 8910561, p. 168736–168751 : ill [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Intervjuu signaalitöötusprofessori Tõnu Trump'iga

Trump, Tõnu; Raja, Aimur A & A 2009 / lk. 8-11 : ill

Investigation of phase coupling of harmonic signal components using third order statistics and classification based on learning vector quantization

Lossmann, Eerik; Meister, Ants BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 143-146: ill

Ionosonde measurements in Bayesian statistical ionospheric tomography with incoherent scatter radar validation

Norberg, Johannes; Virtanen, Ilkka I.; **Roininen, Lassi** Atmospheric measurement techniques discussions 2015 / p. 9823-9851 : ill

IoT based tools and methods for electrical machine diagnostics = Asjade interneti põhised tööriistad ja meetodid elektrimasinate diagnostikaks

Raja, Hadi Ashraf 2023 <https://doi.org/10.23658/taltech.20/2023> <https://digikogu.taltech.ee/et/Item/3015334f-c32b-43ae-ba2d-bfcd536aba5> https://www.ester.ee/record=b5558656*est

Knowledge-based signal smoothing

Dobrowiecki, Tadeusz; Wahab, Abdulrahim Automation, simulation & measurement. Section A, Automation. Section M, Measurement : 3rd biennial conference : Tallinn, Estonia, October 7-11, 1991 = Automatiseerimine, modelleerimine ja mõõtmine : 3. rahvusvaheline konverents / Tallinna Tehnikaülikool 1992 / p. 108-121: ill https://www.ester.ee/record=b1064034*est

Külgvaatlussonari sondeeriva signaali modelleerimine

Duhnik, Alina Ringhääling 2003 : X rahvusvahelise telekommunikatsioonipäeva materjalid 2003 / lk. 84-89 : ill

A large signal integration formula

Kukk, Vello Proc. of First IEEE Balkan Conference on Signal Processing, Communications, Circuits and Systems 2000 / [4] p. [CD-ROM]

Liitobjektide identifitseerimisest distantmeetodil : magistritöö

Sullakatko, Toomas 1992 https://www.ester.ee/record=b2629856*est

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

LMS based distributed variance estimation for signal energy detection

Ainomäe, Ahti Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK viienda aastakonverentsi artiklite kogumik : 25.-26. novembril 2011, Nelijärve 2011 / p. 11-14 : ill

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-frequency non-reciprocal sound propagation features in thermoacoustic waveguide

Auriemma, Fabio The Journal of the Acoustical Society of America 2024 / p. 314-325 <https://doi.org/10.1121/10.0026453> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Magnetic sensor coil shape geometry and bandwidth assessment

Kütt, Lauri; Shafiq, Muhammad 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011 : student forum 2011 / p. 58-61 : ill

Mathematical modelling of three phase squirrel cage induction motor and related signal processing for fault diagnostics = Kolme faasilise lühisrootoriga asünkroonmootori matemaatiline modelleerimine ning lähtuv rikkediagnostiline signaalitöötlus

Asad, Bilal 2021 <https://digikogu.taltech.ee/et/Item/8b5869c8-de30-4380-a0c6-8a6a2d6b6ff3> https://www.ester.ee/record=b5452432*est <https://doi.org/10.23658/taltech.40/2021>

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 for wideband signal digitizing and their real-time reconstruction in enlarged dynamic range

Biblinskis, I.; Sudars, K.; **Min, Mart** Elektronika ir elektrotehnika = 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](#)

Military vehicle acoustic pattern identification by distributed ground sensors

Astapov, Sergei; **Riid, Andri**; **Preden, Jürjo-Sören** 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. 167-170 : ill http://www.ester.ee/record=b2150914*est

Modelling and simulation of human lower-limb motion

Žigailov, Sergei; Musalimov, Victor; **Arjassov, Gennadi**; **Penkov, Igor** International review on modelling and simulations (IREMOS) 2016 / p. 114-123 : ill <https://doi.org/10.15866/iremos.v9i2.8358> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modifying transients for efficient coding of audio

Vafin, Renat; Heusdens, Richard; Kleijn, W. Bastiaan 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 7-11 May, 2001, Salt Palace Convention Center, Salt Lake City, Utah, USA. Vol. 5 2001 / p. 3285-3288 : ill <https://ieeexplore.ieee.org/document/940360>

Modulatsioon

Meister, Ants 1999 https://www.ester.ee/record=b1222759*est

Moduleeritud signaalide spektraalanalüüs : metoodiline juhend raadiotehniliste ahelate ja signaalide laboratoorse töö sooritamiseks

1988 https://www.ester.ee/record=b1231481*est

Monitoring patient movement velocity using passive infrared sensor information

Ehala, Johannes; **Astapov, Sergei** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 21-24 : ill

Monolithic frequency doublers for millimetre wave signal generation

Kangaslahti, Pekka; Porra, Veikko BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 163-166: ill

MSP430 as an introductory training microcontroller

Galkin, Ilja 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 123-126

Multi-frequency and multi-channel bio-impedance measurement solution [Electronic resource]

Mårtens, Olev; **Min, Mart**; **Land, Raul**; **Annus, Paul** Proceedings of 7th Nordic Signal Processing Symposium (NORSIG 2006) : Reykjavik, Iceland, June 7-9, 2006 2006 / [4] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4052217>

Multifrequency testing and diagnosis of analog and mixed signal circuits using neuromorphic classifier

Lantsov, V.; Rudakov, O.; Mosin, S. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 347-348

Multirate approaches for engineering applications : computational strategies

Astrov, Igor 2015 https://www.ester.ee/record=b4533492*est

A multistage procedure of mobile vehicle acoustic identification for single-sensor embedded device

Astapov, Sergei; **Riid, Andri** International journal of electronics and telecommunications 2013 / p. 151-160 : ill
<https://doi.org/10.2478/eletel-2013-0018> [Journal metrics at Scopus](#) [Article at Scopus](#)

Multi-variate block polar quantization and applications to audio

Pobloth, H.; **Vafin, Renat**; Kleijn, W.B. Proc IEEE Int. Conf. Acoustics, Speech, Signal Processing : ICASSP 2004 : Montreal, Canada, 2004. Vol. 4 2004 / p. 197-200 <https://ieeexplore.ieee.org/document/1326797>

Necessity for implementation of inverse problem theory in electric machine fault diagnosis

Vaimann, Toomas; **Belahcen, Anouar**; **Kallaste, Ants** SDEMPED 2015 : 10th IEEE International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives : Guarda, Portugal, September 1-4, 2015 : proceedings 2015 / p. 380-385 : ill
<http://dx.doi.org/10.1109/DEMPED.2015.7303718>

A new low-complexity patch-based image super-resolution

Rasti, Pejman; Nasrollahi, Kamal; **Orlova, Olga; Tamberg, Gert**; Ozcinar, Cagri; Moeslund, Thomas B.; Anbarjafari, Gholamreza IET computer vision 2017 / p. 567-576 : ill <https://doi.org/10.1049/iet-cvi.2016.0463> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear order statistics based methods in physiological signal processing

Lipping, Tarmo 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 1996 / p. 11-13

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](#)

Nonuniform sampling and demodulation for wideband multi-frequency bioimpedance measurements

Min, Mart; Bilinskis, Ivars; Artyukh, Y.; Annus, Paul; Land, Raul; Märtens, Olev Proceedings of the "2007 Workshop on digital Alias-free Signal Processing" (WDASP'07) : 17 April 2007, London, UK 2007 / [7] p

Observer-based residual generation for nonlinear discrete-time systems

Kaldmäe, Arvo; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2018 / p. 325-336

<https://doi.org/10.3176/proc.2018.4.01> http://www.kirj.ee/public/proceedings_pdf/2018/issue_4/proc-2018-4-325-336.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On a combination of M adaptive filters

Trump, Tõnu The 21st European Signal Processing Conference : 9-13 September 2013, Palais des Congres, Marrakech 2013 / p. 1-5 : ill

On deviation restrictions in PLL frequency demodulators

Min, Mart; Männama, Vello; Paavle, Toivo BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 93-96: ill

On frequency adaption in an extended block-adaptive Fourier analyser

Ronk, Ants Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 4, p. 309-330 : ill

https://artiklid.elnet.ee/record=b1008574*est

Optimal digital signal post-processing for primary radar

Arro, Ilmar; Kulmar, Lembit; Roosipuu, Priit Proceedings of the Estonian Academy of Sciences. Engineering 1999 / p. 187-197

<https://doi.org/10.3176/eng.1999.3.01> https://artiklid.elnet.ee/record=b1001720*est

Optimal process algorithm of postprocessors of V-surveillance radar's

Arro, Ilmar; Kulmar, Lembit BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 291-292

Optimal scheduler synthesis using cost optimal reachability analysis

Ernits, Juhan-Peep Tenth Estonian Winter School in Computer Science (EWSCS'05) : Lahemaa, Estonia, February 27-March 4, 2005 2005 / [1 p.]. (Student talks and posters 2005 (abstracts))

Optimal waveform selection for software defined data acquisition system

Ruuben, Toomas; Berdnikova, Julia; Mürsepp, Ivo; Madar, Urve Proceedings of the Fourth European Conference on Antennas and Propagation : EuCAP 2010 : Barcelona, Spain, 12-16 April 2010 2010 / p. 3268-3272 <https://ieeexplore.ieee.org/document/5505286>

Optimised signal processing for nonlinear ultrasonic nondestructive testing of complex materials and biological tissues =

Optimeeritud signaalitöötlus mittelineaarsete komplekssete materjalide ja bioloogiliste kudede mittepurustavaks testimiseks ultraheliga = Traitement du signal optimisé pour l'évaluation non linéaire non destructive des matériaux complexes et des tissus biologiques

Lints, Martin 2017 <https://digi.lib.ttu.ee/i/78437> https://www.ester.ee/record=b4689325*est

Optimising of signal processing parameters in cardiovascular diagnostics

Meigas, Kalju; Kattai, Rain; Lass, Jaanus Medicon 2001 : IX Mediterranean Conference on Medical and Biological Engineering and Computing : June 12-15, 2001, Pula, Croatia : [proceedings]. Part I 2001 / p. 328-331 : ill

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](#)

Optimized acoustic localization with SRP-PHAT for monitoring in distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören International journal of electronics and telecommunications 2013 / p. 383-390 : ill <https://doi.org/10.2478/eletel-2013-0047> [Journal metrics at Scopus](#) [Article at Scopus](#)

Optimized waveforms for synchronous signal processing

Annus, Paul; Min, Mart; Ojarand, Jaan Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kolmanda aastakonverentsi artiklite kogumik : 25.-26. aprill 2008, Voore külalistemaja 2008 / p. 51-54 : ill

Output signal based combination of two NLMS adaptive filters - transient analysis

Trump, Tõnu Proceedings of the Estonian Academy of Sciences 2011 / 4, p. 258-268 : ill

Output statistics of a line enhancer based on a combination of two adaptive filters

Trump, Tõnu Central European journal of engineering 2011 / p. 244-252 : ill

Overview of power-line communication

Pikner, Rando; Pajumaa, Kenno 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 28-31 : ill

Overview of recent steady state analysis methods

Jokinen, Hannu; Valtonen, Martti BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 277-280: ill

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 = Parameetiline 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 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 some adaptive algorithms

Trump, Tõnu; Lemendik, Laur BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 199-202: ill

Performing feature extraction and selection for pattern discovery in noisy acoustic data

Astapov, Sergei; Riid, Andri; Preden, Jürjo-Sören Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 3-6 : ill

Phase and amplitude control of the signal for the 16*16 beam steering matrix

Leppänen, Anssi; Aberg, Markku BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 261-264: ill

Phase-locked signal processing in vector analyzer

Min, Mart; Parve, Toomas Signal processing in measurement proceedings : 6th Symposium of the Technical Committee on Measurement Theory (TC7), Budapest Hungary June 10-12, 1987 1987 / p. 143-147

Phase-locked signal processing in measurement

Min, Mart; Parve, Toomas Signal processing in measurement : 6th Symposium of the Technical Committee on Measurement Theory (TC7) : Budapest, Hungary, June 10-12, 1987 : proceedings 1988 / p. 97-101

Photoplethysmographic signal processing using adaptive sum comb filter for pulse delay measurement

Pilt, Kristjan; Meigas, Kalju; Ferenets, Rain; Kaik, Jüri Estonian journal of engineering 2010 / 1, p. 78-94 : ill https://artiklid.elnet.ee/record=b1964973*est

Photoplethysmographic signal rising front analysis for the discrimination of subjects with increased arterial ageing

Pilt, Kristjan; Meigas, Kalju; Kõots, Kristina; Viigimaa, Margus Proceedings of the Estonian Academy of Sciences 2014 / p. 221-

Photoplethysmographic signal waveform index for detection of increased arterial stiffness

Pilt, Kristjan; **Ferenets, Rain**; Meigas, Kalju; **Temitski, Kristina**; **Viigimaa, Margus** Physiological measurement 2014 / p. 2027-2036 : ill <https://doi.org/10.1088/0967-3334/35/10/2027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pidevsignaalide töötlemine

Arro, Ilmar; **Gavrijaševa, Alina** 2004 http://www.ester.ee/record=b1884792*est

Piiratud sagedusribaga signaalide eriomaste tunnusjoonte eraldamine ja klassifitseerimine

Astapov, Sergei TTÜ üliõpilaste teadustööde konkursi kokkuvõtte : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 13

Preface

Hollstein, Thomas; **Raik, Jaan**; **Kostin, Sergei**; **Tšertov, Anton**; O'Connor, Ian; Reis, Ricardo VLSI-SoC: System-on-Chip in the Nanoscale Era – Design, Verification and Reliability, 24th IFIP WG 10.5/IEEE International Conference on Very Large Scale Integration, VLSI-SoC 2016, Tallinn, Estonia, September 26-28, 2016 : Revised Selected Papers 2017 / p. V-VI

<https://link.springer.com/book/10.1007/978-3-319-67104-8> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Probability density function for phase and error probability for phase shift keying (PSK) systems

Raja, Aimur Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid 2004 / p. 118-137 : ill https://www.ester.ee/record=b1910557*est

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>

Quadratic phase coupling detection by means of the third order statistics and classification based on learning vector quantization

Lossmann, Eerik Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998 1998 / lk. 5-11: ill

Quantum mechanical transforms between x- and k-space as a signal processing problem

Udal, Andres; **Kukk, Vello**; **Velmre, Enn**; **Klopov, Mihhail** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 71-74 : ill https://www.ester.ee/record=b2150914*est

Quartz nonlinear high level signal modelling

Neacsu, Cristian M. BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 329-332: ill

Radiotehnika

Ratassepp, Jaak 1991 https://www.ester.ee/record=b1235656*est

Radar signal postprocessing

Roosipuu, Priit; **Arro, Ilmar** Elektronika ir elektrotehnika = Electronics and electrical engineering 2001 / 2, p. 20-24

Radio engineering and signal processing

Meister, Ants 1994 https://www.ester.ee/record=b1066292*est

RC-ostsillaator : metoodiline juhend raadiotehniliste ahelate ja signaalide laboratoorse töö sooritamiseks

1984 https://www.ester.ee/record=b1245517*est

Reducible dictionaries for single image super-resolution based on patch matching and mean shifting

Rasti, Pejman; Nasrollahi, Kamal; **Orlova, Olga**; **Tamberg, Gert**; Moeslund, Thomas B.; Anbarjafari, Gholamreza Journal of electronic imaging 2017 / p. 023024-1 - 023024-8 : ill <https://doi.org/10.1117/1.JEI.26.2.023024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Relationship of the correlation between EEG and heart rate variability with cardiovascular indicators

Vihmaru, Merilin; **Päeske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; Põld, Toomas; **Bachmann, Maie** 9th European Medical and Biological Engineering Conference : Proceedings of EMBEC 2024 ; Volume 2 2024 / p. 266 - 273 <https://www.springerprofessional.de/en/relationship-of-the-correlation-between-eeeg-and-heart-rate-varia/27164904> https://doi.org/10.1007/978-3-031-61628-0_29 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Removal estimation of uremic CVD marker phosphate in dialysis using spectrophoto- and fluorimetric signals

Holmar, Jana; Arund, Jürgen; Kalle, Sigrid; Lauri, Kai; Luman, Merike; Tanner, Risto; Tomson, Ruth; Fridolin, Ivo 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. 358-361 : ill https://doi.org/10.1007/978-981-10-5122-7_90 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Resolution and Doppler tolerance of cognitive system waveforms

Berdnikova, Julia; Ruuben, Toomas; Mürsepp, Ivo; Lossmann, Eerik Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 7, p. 101-104 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/9331>

Resonant behavior of a fractional oscillator with fluctuating mass

Sauga, Ako; Mankin, Romi; Ainsaar, Ain Application of Mathematics in Technical and Natural Sciences : 4th International Conference - AMiTaNS'12 : memorial volume devoted to Prof. Christo I. Christov : St. Constantine and Helena, Bulgaria 11–16 June 2012 2012 / p. 224-232 <https://pubs.aip.org/aip/acp/article-abstract/1487/1/224/855288/Resonant-behavior-of-a-fractional-oscillator-with?redirectedFrom=PDF>

Resonant behavior of a fractional oscillator with fluctuating mass

Sauga, Ako; Mankin, Romi; Ainsaar, Ain Fourth International Conference on Application of Mathematics in Technical and Natural Sciences 11–16 June 2012, St. St. Constantine and Helena, Bulgaria : book of abstracts 2012 / p. 42-43 <https://pubs.aip.org/aip/acp/article-abstract/1487/1/224/855288/Resonant-behavior-of-a-fractional-oscillator-with?redirectedFrom=PDF>

Resource-aware scene text recognition using learned features, quantization, and contour-based character extraction

Ademola, Olutosin Ajibola; Petlenkov, Eduard; Leier, Mairo IEEE Access 2023 / p. 56865 - 56874 <https://doi.org/10.1109/ACCESS.2023.3283931> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A robust adaptive sensor array with slepian sequences [Electronic resource]

Trump, Tõnu The Seventh IEEE Sensor Array and Multichannel Signal Processing Workshop : June 17-20, 2012, Hoboken, New York, USA 2012 / p. 121-124 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6250444>

Robust algorithms for signal processing : plenary lecture 2

Trump, Tõnu Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 12 : phot

A robust eigenvalue ratio detector for cognitive radio [Electronic resource]

Trump, Tõnu 19th International Conference on Digital Signal Processing : 20-23 August 2014, The Hong Kong Polytechnic University : [proceedings] 2014 / p. 30-35 : ill. [USB]

Sampling theory in signal and image processing [Electronic resource]

2018 <http://stsisip.org/>

Segmentation of EEG signals with two adaptive AR-models

Meister, Ants IX Nordic Meeting on Medical and Biological Engineering, Lund, Sweden, June 13-16, 1993 1993

Selected papers from the 1997 NORCHIP conference

Lande, Tor Sverre; **Ubar, Raimund-Johannes** 1999

Self-modulated Gunn diode self-oscillating mixer

Krasavin, Jevgeni; Hinrikus, Hiie IEEE NTC '95 : The Microwave Systems Conference : conference proceedings 1995 / p. 61-62: ill <https://ieeexplore.ieee.org/document/522863>

Sensorless pressure calculation for parallel redundancy in pumping systems

Vodovozov, Valery; Bakman, Ilja 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 1 2014 / p. 210-218 : ill

Separation and analysis of signal's components by means of extended block-adaptive Fourier analyzer

Ronk, Ants IMTC/2001 : proceedings of the 18th IEEE Instrumentation and Measurement Technology Conference : Rediscovering Measurement in the Age of Informatics : Budapest, Hungary, 21-23 May, 2001. Volume 2 2001 / p. 1202-1207 <https://ieeexplore.ieee.org/document/928267>

Separation of cardiac and respiratory signals, and removal of noise and artifacts using PCA and fast ICA

Mughal, Yar M. Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 59-62 : ill

Shortened square wave waveforms in synchronous signal processing

Anus, Paul; Min, Mart; Ojarand, Jaan I2MTC 2008 : IEEE International Instrumentation and Measurement Technology Conference : May 12-15, 2008, Victoria, Canada 2008 / p. 1259-1262 : ill <https://ieeexplore.ieee.org/document/4547235>

Signaalitöötlus paketi MATLAB : õppevahend

1993 https://www.ester.ee/record=b1065466*est

Signaalitöötuse abil turvalisemate operatsioonide poole : [intervjuu Tarmo Lipping'uga tema doktoriväitekirjast, kaitsstud Tampere Tehnikaülikooli Pori osakonnas]

Lipping, Tarmo; Ummelas, Mart Mente et Manu 2001 / 13. märts, lk. 1, 3 : portr https://www.ester.ee/record=b1242496*est

Signaalitöötuse alane teadustöö Tallinna Tehnikaülikoolis

Heinrichsen, Vladimir; Madar, Urve; Meister, Ants; Ots, Avo; Schults, Eduard Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 244 https://www.ester.ee/record=b1052731*est

Signaalitöötlussüsteemide tarkvara : magistritöö

Lumberg, Tõnu 1992 https://www.ester.ee/record=b2631767*est

Signal distortions caused by multipath propagation in DAB transmission

Meister, Ants; Lossmann, Erik; Martverk, Peep The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 337-340 : ill

Signal processing in multibeam sonar systems

Derkatš, Julia Proceedings of the conference "Undersea Defense Technology Europe 2005" : June 21-23, 2005, Amsterdam 2005 / p. ?

Signals in bioimpedance measurement : different waveforms for different tasks

Min, Mart; Pliquet, Uwe; Nacke, T.; Barthel, A.; Annus, Paul; Land, Raul 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 181-184
https://www.researchgate.net/publication/226357858_Signals_in_bioimpedance_measurement_Different_waveforms_for_different_tasks

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

Krivošei, Andrei; Min, Mart; Kuk, 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 signals for system identification

Annus, Paul; Land, Raul; Min, Mart; Ojarand, Jaan Fourier transform - signal processing 2012 / p. 257-276 : ill
https://cdn.intechopen.com/pdfs/35223/InTech-Simple_signals_for_system_identification.pdf

Single-Stage TTS with adapted vocoder and cross-attention: Taltech systems for the Limmits'24 Challenge

Rõbnikov, Daniil; Alumäe, Tanel 2024 IEEE International Conference on Acoustics, Speech, and Signal Processing Workshops (ICASSPW), Proceedings, 14-19 April 2024, Seoul, Korea 2024 / p. 121-122 : ill <https://doi.org/10.1109/ICASSPW62465.2024.10627656>
[Article at Scopus](#) [Article at WOS](#)

Sinusoidal modeling of audio and speech using psychoacoustic-adaptive matching pursuits

Heusdens, Richard; Vafin, Renat; Kleijn, W. Bastiaan 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : 7-11 May, 2001, Salt Palace Convention Center, Salt Lake City, Utah, USA. Vol. 5 2001 / p. 3281-3284 : ill <https://ieeexplore.ieee.org/document/940359>

Sinusoidal modeling using psychoacoustic-adaptive matching pursuits

Vafin, Renat IEEE signal processing letters 2002 / 8, 262-265 <https://ieeexplore.ieee.org/abstract/document/1034994>

Sisemise tagasisidega ostsillaator : metoodiline juhend raadiotehniliste ahelate ja signaalide laboratoorse töö sooritamiseks

1984 https://www.ester.ee/record=b1245521*est

Sleep apnea pre-screening on neonates and children with shoe integrated sensors [Electronic resource]

Leier, Mairo; Jervan, Gert 31st Norchip Conference : Vilnius, Lithuania, 11-12 November 2013 : conference program and papers 2013 / [4] p. : ill [USB]

Smart photoplethysmographic sensor for pulse wave registration at different vascular depths

Leier, Mairo; Jervan, Gert; Pilt, Kristjan Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 67-70 : ill

Smart photoplethysmographic sensor for pulse wave registration at different vascular depths

Leier, Mairo; Pilt, Kristjan; Karai, Deniss; Jervan, Gert Conference proceedings : 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : Milan, Italy, August 25-29 2015 2015 / p. 1849-1852 : ill
<https://doi.org/10.1109/EMBC.2015.7318741> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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](#)

Sodankylä ionospheric tomography data set 2003-2014

Norberg, Johannes; **Roininen, Lassi**; Kero, Antti; Raita, Tero; Ulich, Thomas; Markkanen, Markku; Juusola, Liisa; Kauristie, Kirsti Geoscientific Instrumentation, Methods and Data Systems 2016 / p. 263 - 270 <https://doi.org/10.5194/gi-5-263-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sodankylä ionospheric tomography dataset 2003-2014

Norberg, Johannes; **Roininen, Lassi**; Kero, A. Geoscientific instrumentation, methods and data systems. Discussions 2015 / p. 385-404 : ill <https://doi.org/10.5194/gid-5-385-2015>

Solitary waves for Non-Destructive Testing applications : delayed nonlinear time reversal signal processing optimization

Lints, Martin; Dos Santos, Serge; **Salupere, Andrus** Wave motion 2017 / p. 101-112 : ill

<https://doi.org/10.1016/j.wavemoti.2016.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some method of signal processing and beamforming in hydrographic applications

Ruuben, Toomas; Derkatš, Julia Elektronika ir elektrotehnika = Electronics and electrical engineering 2008 / 6, p. 27-32 : ill

https://www.researchgate.net/publication/228346328_Some_Methods_of_Signal_Processing_and_Beamforming_in_Hydrographic_Applications

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 signal processing aspects in software defined radios

Meister, Ants; Ruuben, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2008 / 4, p. 97-100 : ill

<https://eejournal.ktu.lt/index.php/elt/article/view/11143>

Some signal processing ideas for ultrasound motion detectors

Kuusik, Alar BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 313-314: ill

Sonar with optimal coherent signal processing

Arro, Ilmar; Ruuto, Urmas Proceedings of International Conference on Signal Processing, Applications and Technology : ICPAT'98, Toronto, Canada, 1998 1998

Spectral asymmetry index and Higuchi's fractal dimension for detecting microwave radiation effect on electroencephalographic signal

Bachmann, Maie; Lass, Jaanus; Suhhova, Anna; Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p. 234-239 : ill https://artiklid.elnet.ee/record=b2680563*est

A spectrum-based technique to analyze a pair of digitized signals

Lossmann, Eerik; Tuulik, Viuu; Meister, Ants; Raja, Aimur The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 177-178 : ill

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>

Statistiline raadiotehnika. I

Madar, Urve 2001 https://www.ester.ee/record=b1485138*est

Stepwise Lock-In Signal Conversion

Parve, Toomas BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 1 1994 / p. 245-254: ill

Study of various excitation and reference signals for pulsed correlation-based ultrasound signal processing

Märtens, Olev; Saar, Tõnis; Reidla, Marko Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 9, lk. 89-92 : ill https://www.researchgate.net/publication/268043244_Study_of_Various_Excitation_and_Reference_Signals_for_Pulsed_Correlation-based_Ultrasound_Signal_Processing

Surface wave conversion analysis on a lengthwise soldered circular cylindrical shell

Baillard, Andre; Chiumia, Jeremiah; Decultot, Dominique; Maze, Gerard; **Klauson, Aleksander; Metsaveer, Jaan** Journal of Acoustical Society of America 2008 / 4, p. 2061-2067 <https://pubs.aip.org/asa/jasa/article/124/4/2061/980878/Surface-wave-conversion-analysis-on-a-lengthwise>

Survey of a power quality measurement campaign in low-voltage grids

Püvi, Verner; Tükia, Toni; Lehtonen, Matti; **Kütt, Lauri** 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 <https://doi.org/10.1109/PQ.2019.8818232>

Synchronous approximation and processing of sampled data signals

Land, Raul 2002 https://www.ester.ee/record=b1688698*est

Synchronous primary signal processing for MIMO bio-impedance measurement on several frequencies

Ronk, Ants; Toomessoo, Jüri BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 313-316 : ill

Synchronous sampling and demodulation in an instrument for multifrequency bioimpedance measurement

Min, Mart; Parve, Toomas; Ronk, Ants; Annus, Paul; Paavle, Toivo IEEE transactions on instrumentation and measurement 2007 / 4, p. 1365-1372 : ill <https://ieeexplore.ieee.org/document/4277035>

System-level data format exploration for dynamically allocated data structures

Ellervee, Peeter; Miranda, Miguel; Cathoor, Francky; Hemani, Ahmed IEEE transactions on computer-aided design of integrated circuits and systems 2001 / 12, p. 1469-1472 : ill <https://ieeexplore.ieee.org/abstract/document/969440>

Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998

1998 https://www.ester.ee/record=b1053818*est

The dynamics of signals with spread spectrum in sensor arrays [Electronic resource]

Ruuben, Toomas UDT Europe 2002 : Undersea Defence Technology : conference and exhibition 2002 / [9] p. [CD-ROM] <https://ieeexplore.ieee.org/document/4458732>

The dynamics of signals with spread spectrum in sensor arrays, some aspects of digital beamforming

Ruuben, Toomas 2nd European Conference on Antennas and Propagation : EuCAP 2007 : 11-16 November 2007 EICC, Edinburgh, UK 2007 / [8] p. : ill <https://ieeexplore.ieee.org/document/4458732>

The hardware for artificial nose

Misans, Peteris; Dzilums, Guntars; Shirs, Juris BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 425-428: ill

The new methods for the analyzing of surface EMG signals

Tuulik, Viuu; Ferenets, Rain; Lass, Jaanus; Helemäe, Jana 78th ICB Seminar : Warszaw, Poland, 2004 2004 / [7] p

Thermal marks as a signal processing aid for a portable capillary electropherograph

Seiman, Andrus; Vaher, Merike; Kaljurand, Mihkel Electrophoresis 2011 / 9, p. 1006-1014 : ill

Time-frequency analysis of biological matter using short-time chirp excitation

Min, Mart; Paavle, Toivo; Ojarand, Jaan 2011 20th European Conference on Circuit Theory and Design (ECCTD) : Linköping, Sweden, August 29-31, 2011 : proceedings 2011 / p. 298-301 : ill <https://ieeexplore.ieee.org/document/6043345>

Towards optimal quantization in multistage audio coding

Vafin, Renat; Kleijn, W.B. Proc IEEE Int. Conf. Acoustics, Speech, Signal Processing : ICASSP 2004 : Montreal, Canada, 2004. Vol. 4 2004 / p. 205-208 <https://ieeexplore.ieee.org/document/1326799>

Tracking performance of a combination of two NLMS adaptive filters

Trump, Tõnu 15th IEEE Workshop on Statistical Signal Processing : Cardiff, UK, 31 August - 3 September 2009 2009 / p. 181-184 <https://ieeexplore.ieee.org/document/5278610>

Trends in nonlinear signal processing

Hämäläinen, M.; **Lipping, Tarmo; Neuvo, Y.** Methods of information in medicine 1994 / 1, p. 4-9: ill

Uus sensorsignaaltöötuse õppetool : [elektroonikainstituudi rakenduselektroonika õppetooli muutmisest sensorsignaaltöötuse õppetooliks]

Märtens, Olev Mente et Manu 2009 / 16. jaan., lk. 2 : fot https://www.ester.ee/record=b1242496*est

Uus stipendium TTÜ-s : Heinrichseni mälestusstipendium magistrantidele

Inseneeria 2016 / lk. [54]

Walshi funktsioonide kasutamine

Heinrichsen, Vladimir Side. Raadio. Televisioon : infoseeria 10 1975 / lk. 14-17 : ill https://www.ester.ee/record=b1232303*est

What is the source of the PTA GW signal?

Ellis, John; Fairbairn, Malcolm; Franciolini, Gabriele; Hütsi, Gert; Iovino, Antonio; Lewicki, Marek; Raidal, Martti; **Urrutia Perez, Juan**; Vaskonen, Ville; Veermäe, Hardi Physical Review D 2024 / art. 023522, 22 p. : ill <https://doi.org/10.1103/PhysRevD.109.023522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wideband digital beamforming in sonar systems = Suunadiagrammide digitaalne formeerimine laiaribalistes sonarsüsteemides

Ruuben, Toomas 2009 https://www.ester.ee/record=b2498198*est

Voltage transients measurements and power line communication [Online resource]

Ahonen, Mikko; **Koppel, Tarmo** 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [4] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763143>

Ühekülgriba eraldamise tehnikast

Meister, Ants A & A 2008 / 2, lk. 34-37 : ill https://artiklid.elnet.ee/record=b1021821*est

Алгоритмы, программы, спецпроцессоры многомерного дискретного преобразования Фурье : автореферат ... кандидата технических наук (05.13.01)

Trump, Tõnu 1990 http://www.ester.ee/record=b1258282*est

Базовое программное обеспечение комплекса обработки сигналов

Lumberg, Tõnu; Roosi, Aarne Reaalajasüsteemid automatiseeritud ergonoomilistes uuringutes = Автоматизированные системы реального времени для эргономических исследований : vabariikliku konverentsi teesid : Tartu-Kääriku, 28.-29. september 1988. a. 1988 / lk. 146-148 https://www.ester.ee/record=b1256601*est

Беспоисковые алгоритмы периодонечувствительной оценки эффективного значения сигнала : автореферат ... кандидата технических наук (05.13.01)

Martverk, Peep 1981 https://www.ester.ee/record=b1333035*est

Беспоисковые алгоритмы периодонечувствительной оценки эффективного значения сигнала : диссертация на соискание ученой степени кандидата технических наук

Martverk, Peep 1980 https://www.ester.ee/record=b4631438*est

Влияние условий симметрии на сигнал МГД-расходомера кругового сечения при произвольном профиле скорости

Mežburd, Volf; Podgurski, M. G. Магнитная гидродинамика : научно-теоретический журнал 1979 / с. 127-132 https://www.ester.ee/record=b2147013*est

Возможности цифрового синхронного детектирования в низкочастотном диапазоне

Logunov, Gennadi; Parve, Toomas Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио, октябрь 1983. Секция "Цифровая обработка сигналов" 1983 / с. 10-13 https://www.ester.ee/record=b1295317*est

Генерирование и преобразование сигналов на микропроцессоре

Trump, Tõnu XXVII студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 19-21 апреля 1983 г : тезисы докладов. Часть 2 1983 / с. 20 https://www.ester.ee/record=b1571566*est

Дискретизация полосового сигнала

Arro, Ilmar Методы и средства обработки сигналов при наличии шумов 1982 / с. 3-10 : ил https://www.ester.ee/record=b1312255*est <https://www.etera.ee/zoom/121735/view?page=1&p=separate&search=true&tool=search>

Математическое моделирование движения нижних конечностей человека

Žigailov, Sergei; Musalimov, Victor; **Arjassov, Gennadi; Penkov, Igor** Известия высших учебных заведений. Приборостроение 2016 / с. 683-689 : ил <http://dx.doi.org/10.17586/0021-3454-2016-59-8-683-689>

Методы и средства обработки сигналов при наличии шумов

1982 https://www.ester.ee/record=b1312255*est <https://www.etera.ee/zoom/121735/view?page=1&p=separate&search=true&tool=search>

Методы обработки и регистрации сигналов

1981 https://www.ester.ee/record=b1507633*est <https://digikogu.taltech.ee/et/Item/b58bba27-822f-44c3-8387-50d8a26bb3d3>

Модели сигналов и линейных систем на базе системы SPADE

Leppikson, Viktor Анализ и синтез сложных систем и цепей с помощью ЭВМ 1985 / с. 79-91

Моделирование алгоритмов предварительной обработки пространственно-временных сигналов

Niinsalu, Udo; Pungar, Eda-Tiia Методы обработки и регистрации сигналов 1981 / с. 19-23 : илл

https://www.ester.ee/record=b1507633*est <https://digikogu.taltech.ee/et/Item/b58bba27-822f-44c3-8387-50d8a26bb3d3>

Моделирование пространственной обработки сигналов

Niinsalu, Udo Методы цифровой обработки и хранения радиотехнических сигналов 1987 / с. 7-11

О наилучшем приближении к дискретному преобразованию Гильберта

Lumberg, Tõnu; Sullakatko, Toomas Методы и средства обработки сигналов при наличии шумов 1982 / с. 17-26 : ил

https://www.ester.ee/record=b1312255*est <https://www.etera.ee/zoom/121735/view?page=1&p=separate&search=true&tool=search>

О нормировании входного сигнала корреляционных преобразователей

Maltsev, Jüri Тезисы докладов республиканской научно-технической конференции, посвященной Дню радио. [1], Секция:

Информационно-измерительная техника 1981 / с. 23-24 https://www.ester.ee/record=b1310782*est

Об алгоритме определения упругих оболочек по эхо-сигналам

Kangur, Oleg; Madar, Urve; Ots, Avo; Heinrichsen, Vladimir IX Всесоюзная акустическая конференция. Доклады 1977 / с. 4-21

Оптимальный алгоритм оценки остаточных фаз перекрывающихся радиоимпульсов

Arro, Ilmar Тезисы докладов Республиканской научно-технической конференции "Современные методы и устройства радиоэлектронного оборудования", посвященной Дню радио. [2], Секция: Компьютерный анализ сигналов и цепей 1981 / с. 21-22 https://www.ester.ee/record=b1310795*est

Переходные процессы в неавтономной системе ФАП третьего порядка

Land, Raul; Min, Mart Анализ и синтез сложных систем и цепей с помощью ЭВМ 1986 / с. 71-80

Принцип построения цифровых квадратурных детекторов

Arro, Ilmar Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио, октябрь 1983.

Секция "Цифровая обработка сигналов" 1983 / с. ? https://www.ester.ee/record=b1295317*est

Радиотехника

Umborg, Jaak; Heinrichsen, Vladimir; Arro, Ilmar; Sullakatko, Toomas; Smoljanski, Leonid; Vannas, Villem; Germ, Eduard; Niinsalu, Udo; Lumberg, Tõnu; Loitme, Olev; Laksberg, Edgar; Nelus, K.; Ess, Viktor; Ots, Avo; Trump, Tõnu; Gerasimtšuk, Valeri; Schults, Eduard; Hinrikus, Hiie; Taklaja, Andres; Zahharov, Boriss; Kļušin, J.B.; Nadolnits, L.D. 1986

https://www.ester.ee/record=b1232381*est

Решение линейных алгебраических уравнений в задачах декомпозиции сигнала

Arro, Ilmar Тезисы докладов Республиканской научно-технической конференции "Современные методы и устройства радиоэлектронного оборудования", посвященной Дню радио. [2], Секция: Компьютерный анализ сигналов и цепей 1981 / с. 25-26 https://www.ester.ee/record=b1310795*est

Сигнал с квадратурно-фазовой манипуляцией

Smoljanski, Leonid; Arro, Ilmar, juhendaja Методы и средства обработки сигналов при наличии шумов 1982 / с. 45-51 : ил

https://www.ester.ee/record=b1312255*est <https://www.etera.ee/zoom/121735/view?page=1&p=separate&search=true&tool=search>

Специализированные цифровые устройства с гибкой архитектурой для экспресс-обработки сигналов в комплексах автоматизации научных исследований

Heinrichsen, Vladimir Методы и устройства регистрации, передачи, обработки и представления информации 1986 / с. 3-6

Способ квадратурного перемножения исследуемого сигнала с опорным, использующий аппроксимацию по уолшу

Min, Mart; Parve, Toomas Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 79-83 : илл

https://www.ester.ee/record=b2190710*est <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

Хранение данных при моделировании цифровых устройств обработки сигналов

Lumberg, Tõnu Методы и устройства регистрации, передачи, обработки и представления информации 1986 / с. 39-44

Цифровая обработка сигналов в антенной решетке

Lang, I.; Arro, Ilmar XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том II, Автоматика. Энергетика. Механика. Химия 1986 / с. 10
https://www.ester.ee/record=b1305565*est

Цифровая регистрация последовательностей коротких радиоимпульсов

Sullakatko, Toomas Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио, октябрь 1983. Секция "Цифровая обработка сигналов" 1983 / с. [?] https://www.ester.ee/record=b1295317*est

Экспресс-обработка гидросейсмического сигнала

Arro, Ilmar; Niinsalu, Udo Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио. Секция "Системы реального времени" 1980 / с. 4-5 https://www.ester.ee/record=b1304214*est

Экспресс-обработка сигналов микроконтроллером "МОСТ"

Arro, Ilmar; Vannas, Villem Методы и устройства регистрации, передачи, обработки и представления информации 1986 / с. 27-30

Эффективность адаптивного накопления

Arro, Ilmar; Lumberg, Tõnu Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио, октябрь 1983. Секция "Цифровая обработка сигналов" 1983 / с. ? https://www.ester.ee/record=b1295317*est