

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

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

Aastaid TTÜ tudengite lemmikõppejõud olnud Avo Ots kasvas majas, kus polnud elektrit

Ots, Avo Inseneeria 2015 / lk. 32-35 : fot https://artiklid.elnet.ee/record=b2748911*est

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 equalizer for Mode S receiver

Tart, Allan; Trump, Tõnu 2013 8th International Workshop on Systems, Signal Processing and their Applications (WoSSPA) : 12-15 May, 2013, Algiers, Algeria 2013 / p. 310-315 : ill

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

Advances in moving speaker acoustic localization for operation in distributed systems

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören Info- ja kommunikatsioonitehnoloogia doktorikooli KTDK seitsmenda aastakonverentsi artiklite kogumik : 15.-16. novembril 2013, Haapsalu 2013 / p. 9-12 : ill

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 algorithm for distributed adaptive network communication

Ulp, Sander Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 143-147 : ill

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

Applications of a combination of two adaptive filters

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

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

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

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

Composite predictive speaker acoustic localization in distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 15-18 : ill

CTA diffusion based recursive energy detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats 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. 38-47 : ill

Data communication services in mobile communication environment

Kuningas, Tarmo Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / p. 87-94 : ill https://www.ester.ee/record=b1399956*est

Department of Radio and Communication Engineering

Hinrikus, Hiie; Schults, Eduard; Arro, Ilmar; Heinrichsen, Vladimir Research activities / Tallinn Technical University 1993 / p. 82-

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 speed of responsive communication jamming detectors

Trump, Tõnu; Mürsepp, Ivo 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. 149-154 : ill

Digisignaalide töötlemine

Arro, Ilmar; Derkatš, Julia 2005 http://www.ester.ee/record=b2005220*est

Digitaalne raadiovastuvõtt

Lossmann, Eerik; Schults, Eduard Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 21-33 : ill https://www.ester.ee/record=b1399956*est

Diplomiprojekti, diplomi- või lõputöö tegemise juhend

1995

Dispersion map optimization for nonlinearity mitigation in two-span phase-sensitive amplifier links [Electronic resource]

Astra, Egon; Olsson, Samuel L. I.; Eliasson, Henrik; **Laadung, Taavi; Andrekson, Peter Avo** ECOC 2016 : 42th European Conference on Optical Communication : September 18-22, 2016, Congress Center Düsseldorf (CCD), Germany : proceedings 2016 / p. 953-955 : ill. [DVD]

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 (DINWC 2015) : Moscow, Russia, 3-5 February 2015 2015 / p. 83-87 : ill

Distributed diffusion LMS based energy detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats 2014 6th International Congress on Ultra Modern Telecommunications and Control Systems (ICUMT) 2014 / p. 176-183 : ill

Distributed recursive energy detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats 2014 IEEE Wireless Communication and Networking Conference (WCNC) 2014 / p. 1242-1247 : ill

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

Eessõna

Meister, Ants; Tamm, Uljas Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 4 https://www.ester.ee/record=b1399956*est

EEÜ ringhäälingusektiooni tegevusest

Schults, Eduard Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 34-37 https://www.ester.ee/record=b1399956*est

Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid

2000 https://www.ester.ee/record=b1399956*est

Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid : [14. mai 2004, Tallinn]

2004 http://www.ester.ee/record=b1910557*est

Elektroonika ja infotehnika leksikon : English-German-Finnish-Estonian = englisch-deutsch-finnisch-estnisch = englanti-saksa-suomi-eesti = inglise-saksa-soome-eesti

Abo, Lembit 2010 http://www.ester.ee/record=b2543766*est

Elektroonikatööstuse loodud lisandväärtus muudkui kasvab

Kolk, Arno; **Taklaja, Andres** Inseneeria 2013 / lk. 18 https://artiklid.elnet.ee/record=b2604425*est

Ettepanekuid teaduse rahastamise korraldamiseks

Taklaja, Andres Õpetajate Leht 2015 / lk. 5 <https://opleht.ee/2015/01/ettepanekuid-teaduse-rahastamise-korraldamiseks/>

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

Infotehnika teaduskond : lühiteave

1998 http://www.ester.ee/record=b1061288*est

Investigation of 60 Gb/s 4-PAM using an 850 nm VCSEL and multimode fiber

Castro, Jose Manuel; Pimpinella, Rick; Kose, Bulent; Andrekson, Peter Avo Journal of lightwave technology 2016 / p. 3825-3836 : ill
<https://doi.org/10.1109/JLT.2016.2549539>

ISDN televideokonverentsisüsteem : laboratoorse töö juhend

2000 https://www.ester.ee/record=b1441603*est

Juhend edastuskiirusega 2048 kbit/s digitaalsete telekommunikatsiooni rendiliinide ETSI standardite kasutamiseks

2000 https://www.ester.ee/record=b1438414*est

Kodeeriv seade : laboratoorse töö juhend

1993 https://www.ester.ee/record=b1065190*est

Laboratoorsete tööde juhendid õppeaines raadiosüsteemide elektriseadmed

1985 https://www.ester.ee/record=b1250272*est

Laboratoorsete tööde korraldus

2000

Laboratoorsete tööde korraldus

1997 https://www.ester.ee/record=b1613374*est

Lairibasisnaalide raadiotehnilised rakendused telekommunikatsioonis

Raja, Aimur Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 38-56 : ill
https://www.ester.ee/record=b1399956*est

Leader selection in cooperative network based on MDL subspace algorithm for cognitive radio

Ulp, Sander; Trump, Tõnu Conference Record of The Fiftieth Asilomar Conference on Signals, Systems & Computers : November 6-9, 2016, Pacific Grove, California 2017 / p. 704-708 : ill <https://doi.org/10.1109/ACSSC.2016.7869136> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mees nagu raadiolaine

Mürsepp, Ivo Mente et Manu 2015 / lk. 22-23 : fot https://artiklid.elnet.ee/record=b2741017*est

Mesindus korpustarudes

2001 https://www.ester.ee/record=b1529322*est

A method of initial search region reduction for acoustic localization in distributed systems

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören Proceedings of the 20th International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2013, Gdynia, Poland, June 20-22, 2013 2013 / p. 451-456 : ill

A method to improve instationary force error estimates for undulatory swimmers

Tuhtan, Jeffrey Andrew; Toming, Gert; Ruuben, Toomas; Kruusmaa, Maarja Underwater technology 2016 / p. 141-151 : ill
<https://doi.org/10.3723/ut.33.141> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modelleerimistarkvara "Simulant" : kirjeldus ja juhend

1993 https://www.ester.ee/record=b1064405*est

Multichannel EEG-based sleep stage scoring

Lossmann, Eerik 1997

Neural network approach to classify the functional state of CNS in case of neurotoxic diseases

Raja, Aimur; Tuulik, Viuu; Lossmann, Eerik; Meister, Ants Medical & biological engineering & computing : journal of the International Federation for Medical & Biological Engineering. Part 2, Proceedings of the 1st International Conference on Bioelectromagnetism 1996 / p. 241-242 : ill https://www.ester.ee/record=b1292531*est

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

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

Astapov, Sergei; Berdnikova, Julia; Preden, Jürgo-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](#)

Outage probability of a robust antenna array

Astra, Egon; 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. 64-69 : ill

Pidevsignaalide töötlemine

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

Predictive acoustic localization and speaker tracking for distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürgo-Sören 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 833-838 : ill

Predictive vector quantization in image coding : study of the safety-net approach

Vafin, Renat 1996

Raadiosaateseadmed. III vihik, Modulaatorid = Радиопередающие устройства. III, Модуляторы

1987 https://www.ester.ee/record=b1234489*est

Raadiosüsteem tänavavalgustuse juhtimiseks : magistritöö

Niinsalu, Udo 1992 https://www.ester.ee/record=b2631865*est

Raadiotehnika 2005 : XII rahvusvahelise telekommunikatsioonipäeva materjalid : [13. mai 2005, Tallinn]

2005 http://www.ester.ee/record=b2055055*est

Raadiotehnilised süsteemid : liikuvate objektide selekteerimine : laboratoorse töö juhend

1985 https://www.ester.ee/record=b1250274*est

Ringhääling '99 : VI Rahvusvahelise Telekommunikatsioonipäeva konverentsi ettekannete materjalid

1999 https://www.ester.ee/record=b1260725*est

Ringhääling 2003 : X rahvusvahelise telekommunikatsioonipäeva materjalid : [16. mai 2003, Tallinn]

2003 http://www.ester.ee/record=b1782571*est

Robust adaptive beamforming for surveillance system using 2D antenna array

Tart, Allan; Trump, Tõnu 2014 Tyrrhenian International Workshop on Digital Communications : Enhanced Surveillance of Aircraft and Vehicles TIWDC/ESAV : September 15th-16th, 2014, Rome, Italy 2014 / p. 110-115 : ill

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

Robust detectors for cognitive radio = Robustsed detektorid kognitiivsele raadiole

Müürsepp, Ivo 2013 https://www.ester.ee/record=b2996730*est

Robust detectors for cognitive radio system

Trump, Tõnu; Khan, Imtiyaz EURASIP journal on wireless communications and networking 2015 / p. 1-16 : ill
<https://doi.org/10.1186/s13638-015-0487-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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]

Route planning in asymmetric military environments

Ruuben, Toomas; Kreison, Ove 2013 Second International Conference on Future Generation Communication Technology (FGCT) : December 12-14, 2013, City Conference Center, Holborn, London 2013 / p. 73-80 : ill

Satelliitnavigatsioonisüsteem GPS-Navstar : süsteemi ja navigaride kirjeldus

1995 https://www.ester.ee/record=b1068811*est

Shooter localization by networked multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Preden, Jürjo-Sören 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : Kuala Lumpur, Malaysia, 19-21 October 2015 : [proceedings] 2015 / p. 332-337 : ill <http://dx.doi.org/10.1109/ICSIPA.2015.7412214>

Shooter localization by networked multichannel acoustic ground sensors

Astapov, Sergei; Berdnikova, Julia; Ehala, Johannes; Preden, Jürjo-Sören IEEE ICSIPA 2015 : 2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA) : 19-21 October, 2015, Hotel Pullman Kuala Lumpur Bangsar : program book 2015 / p. 46

Signaali efektiivväärtuse periooditundetud hindamisalgoritmid : magistritöö : eriala 05.11.08

Raja, Aimur 1992 https://www.ester.ee/record=b2631817*est

Signaalitöötlus paketi MATLAB : õppevahend

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

Signaalitöötluse alane teadustöö Tallinna Tehnikaülikoolis

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

Signaalitöötlussüsteemide tarkvara : magistritöö

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

Signaalitöötlussüsteemide modelleerimine arvutil : magistritöö

Roosi, Aarne 1992 https://www.ester.ee/record=b2632269*est

Simplified acoustic localization by linear arrays for wireless sensor networks

Astapov, Sergei; Preden, Jürjo-Sören; Berdnikova, Julia 2013 18th International Conference on Digital Signal Processing (DSP) : 1-3 July 2013, Nomikos Conference Centre, Santorini, Greece 2013 / [6] p. : ill

Sniper line-of sight calculations for route planning in asymmetric military environments

Kreison, Ove; Ruuben, Toomas Modelling and Simulation for Autonomous Systems : Third International Workshop, MESAS 2016, Rome, Italy, June 15-16, 2016 : revised selected papers 2016 / p. 359-370 : ill https://doi.org/10.1007/978-3-319-47605-6_29
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Some new aspects of digital filtering

Trump, Tõnu 1993 http://www.ester.ee/record=b1065194*est

Some phase-sensitive and spectral methods in biomedical engineering

Meister, Ants 1994 http://www.ester.ee/record=b1066293*est

Suhtlus võrgu abil : [vastab Avo Ots]

Ots, Avo Eesti Naine 2013 / lk. 61

Sünkronisatsiooniseadmed : laboratoorse töö juhend

1993 https://www.ester.ee/record=b1064037*est

Telekommunikatsioon 2002 : IX rahvusvahelise telekommunikatsioonipäeva materjalid : [konverentsi ettekanded : 17. mai, Tallinn]

Meister, Ants 2002 https://www.ester.ee/record=b1715365*est

Telekommunikatsiooni-insener : haridus ja kutse

Heinrichsen, Vladimir Insenerikultuur Eestis. 2 1995 / lk. 22-24 https://www.ester.ee/record=b1063622*est

Telekommunikatsioonitehnika. [I] : õppeaine IRT3910 : eriala tutvustus : insenerieetika : loengumaterjalid

Arro, Ilmar; Heinrichsen, Vladimir; Meister, Ants; Ots, Avo; Schults, Eduard; Taklaja, Andres 1999 https://www.ester.ee/record=b1331238*est

Transmission of a Gaussian beam through a circular aperture: comments

Taklaja, Andres Applied Optics 1987 / p. 5202 <https://doi.org/10.1364/AO.26.005202> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Tundeline raadio, "Tähtede sõda" ja täielik kosmos

Mürsepp, Ivo; Vill, Ants Linnaleht 2014 / lk. 8-9 : fot <https://www.oh tuleht.ee/elu/574558/tundeline-raadio-tahtede-soda-ja-taielik-kosmos>

Two dimensional robust beamforming for air-ground communication system

Tart, Allan; Trump, Tõnu 2014 Integrated Communications Navigation and Surveillance (ICNS) Conference : April 8-10, 2014 2014 / p. B2-1-B2-8 : ill

Valjuhääldi aseseem : laboratoorse töö juhend

1999 http://www.ester.ee/record=b1317704*est

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

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

Värviteleri sõlmed : laboratoorse töö juhend

1993 https://www.ester.ee/record=b1065184*est

Üks vana tehnikaülikooli lugu mitme kandi pealt : [õppimisest V. I. Uljanovi-nim Elektrotehnikainstituudis Leningradis]

Madar, Urve Eestlased Piiteri teel : üliõpilasaastad 2012 / lk. 120-124 : fot https://www.ester.ee/record=b2894029*est

Üliõpilastööde vormistamise juhend

1998 https://www.ester.ee/record=b1061545*est

Порядок проведения лабораторных работ

1996 https://www.ester.ee/record=b4762301*est