

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 robust detector for uniformly distributed noise

Trump, Tõnu Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing : ICASSP 2010 : Dallas, Texas, USA, 14-19 March 2010 2010 / p. 3870-3873

Adaptiivsed filtrid ning nende rakendused sidesüsteemides

Trump, Tõnu 2008 http://www.eester.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

An adaptive sensor array using an affine combination of two filters [Electronic resource]

Trump, Tõnu Proceedings of the international conferences : Saint Malo & Mont Saint-Michel, France, April 2-4, 2012 2012 / p. 157-162 : ill [CD-ROM] <https://dl.acm.org/doi/abs/10.5555/2230716.2230747>

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 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>

Applications of a combination of two adaptive filters

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

A combination of two NLMS filters in an adaptive line enhancer [Electronic resource]

Trump, Tõnu 17th International Conference on Digital Signal Processing, 6-8 July 2011, Corfu, Greece : proceedings 2011 / [6 p.] : ill. [CD-ROM]

Combinations of adaptive filters : plenary lecture

Trump, Tõnu Advances in Sensors, Signals, Visualization, Imaging and Simulation : [proceedings of the 5th WSEAS International Conference SENSIG'12 and VIS'12, Sliema, Malta, September 7-9, 2012] 2012 / p. 19 : phot

Combinations of two LMS adaptive filters

Trump, Tõnu Advances in Sensors, Signals, Visualization, Imaging and Simulation : [proceedings of the 5th WSEAS International Conference SENSIG'12 and VIS'12, Sliema, Malta, September 7-9, 2012] 2012 / p. 53-58 : ill

Combined tomlinson pre-equalization and spectral sheping

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

Convergence of output signal based combination of two LMS adaptive filters

Trump, Tõnu IEEE 26-th Convention of Electrical and Electronics Engineers in Israel (IEEEI 2010) : Nov. 17-20, 2010, Eilat 2010 / p. 109-113 <https://ieeexplore.ieee.org/document/5661910>

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

Detection of echo generated in mobile phones

Trump, Tõnu Recent advances in signal processing 2009 / p. 267-280 : ill

Detection of echo generated in mobile phones using pitch distance

Trump, Tõnu Proceedings of 16th European Signal Processing Conference (EUSIPCO) : Lausanne, Switzerland, August 25-29, 2008 2008 / [5 p.] : ill <https://ieeexplore.ieee.org/document/7080519>

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

Discrete Fourier cosine transform filtering

Trump, Tõnu Tallinna Tehnikaülikooli Toimetised 1994 / lk. 23-31: ill

Distributed adaptive largest eigenvalue detection with SNR weighted observations [Online resource]

Ainomäe, Ahti; Trump, Tõnu; Le Moullec, Yannick BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill <https://doi.org/10.1109/BEC.2018.8600974>

Distributed 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 largest eigenvalue detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats 2017 IEEE International Conference on Acoustics, Speech, and Signal Processing : proceedings : March 5-9, 2017, Hilton New Orleans Riverside, New Orleans, Louisiana, USA 2017 / p. 3519-3523 : ill <https://doi.org/10.1109/ICASSP.2017.7952811> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Distributed largest eigenvalue-based spectrum sensing using diffusion LMS

Ainomäe, Ahti; Bengtsson, Mats; Trump, Tõnu IEEE transactions on signal and information processing over networks 2018 / p. 362-377 : ill <https://doi.org/10.1109/TSIPN.2017.2705483> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Distributed recursive energy detection

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

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

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

An energy detector for spectrum sensing in impulsive noise environment

Trump, Tõnu; Mürsepp, Ivo 22nd IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'11) : Toronto, Canada, 11-14 september 2011 2011 / p. 467-471 : ill <https://doi.org/10.1109/PIMRC.2011.6140004>

Intervjuu signaalitöötlusprofessori Tõnu Trump'iga

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

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](#)

Maximum likelihood estimation of nominal direction of arrival and angular spread using an array of sensors

Trump, Tõnu; Ottersten, B. Proceedings COST 229 Final Workshop on Adaptive Systems, Intelligent Approaches, Massively Parallel Computing and Emergent Techniques in Signal Processing and Communications, Oct. 1994, Bayona (Vigo), Spain 1994 / p. 77-82

https://www.researchgate.net/publication/2686731_Maximum_Likelihood_Estimation_of_Nominal_Direction_of_Arrival_and_Angular_Spread_Using_an_Array_of_Sensors

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 the statistical properties of tomlinson filters

Trump, Tõnu; Forssen, U. Proc. IEEE Winter Workshop on Nonlinear Signal Processing, Finland 1993

On the statistical properties of tomlinson filters

Trump, Tõnu; Forssen, U. 1993

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

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

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

Reordering of spectrum obtained via the two-dimensional short Fourier transform algorithm

Trump, Tõnu Tallinna Tehnikaülikooli Toimetised 1994 / lk. 15-22

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

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

Robust detectors for cognitive radio = Robustsed detektorid kogitiivsele raadiole

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

Robust detectors for cognitive radio system

Trump, Tõnu; Khan, Imtiaz 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]

Robust spectrum sensing for cognitive radio [Electronic resource]

Trump, Tõnu; Müürsepp, Ivo 19th European Signal Processing Conference (EUSIPCO 2011), Barcelona, August 29-September 2,

Short algorithm for real-valued multidimensional Fourier transform

Arro, Ilmar; Trump, Tõnu Proc. International Conf. on Statistical Methods in the Theory of Transmission and Transformation of Information Signals 1993

Some aspects of combining trellis coded modulation with tomlinson pre-equalization

Trump, Tõnu; Forssen, U. 1993

Some new aspects of digital filtering

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

Some new aspects of digital filtering : a thesis ... for the degree of doctor of engineering

Trump, Tõnu 1993 http://www.ester.ee/record=b2677070*est

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>

Steady state analysis of an output signal based combination of two NLMS adaptive filters

Trump, Tõnu 17th European Signal Processing Conference (EUSIPCO 2009) : 24-28 August 2009 2009 / p. 1720-1724
<https://ieeexplore.ieee.org/document/7077570>

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>

Transient analysis of a combination of two adaptive filters

Trump, Tõnu Adaptive filtering 2011 / p. 297-312 : ill

Transient analysis of an output signal based combination of two NLMS adaptive filters

Trump, Tõnu IEEE International Workshop on Machine Learning for Signal Processing (MLSP) : Aug. 29 - Sept.1, 2010, Kittilä, Finland 2010 / p. 244-249 <https://ieeexplore.ieee.org/document/5589261>

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

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

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

Анализ ошибок алгоритмов сокращенного вычисления дискретного преобразования Фурье для арифметики с фиксированной запятой

Trump, Tõnu Методы и алгоритмы цифровой обработки сигналов 1988 / с. 54-63

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

Микропроцессорный измеритель параметров гармонического сигнала

Ots, Avo; Trump, Tõnu Методы и устройства регистрации, передачи, обработки и представления информации 1986 / с. 69-71

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.; Nadolnietis, L.D. 1986
https://www.ester.ee/record=b1232381*est

Радиотехника

Hinrikus, Hiie; Rätsep, Ülo; Ratassepp, Jaak; Niinsalu, Udo; Madar, Urve; Trump, Tõnu; Martverk, Peep; Raja, Aimur; Müller, E.; Meister, Ants; Allik, V.; Lumberg, Tõnu; Loitme, Olev; Kruming, Boris; Animägi, T.; Borštševski, A.I.; Kangur, Oleg 1987
https://www.ester.ee/record=b1273977*est

Радиотехника

Viies, Vladimir; Schults, Eduard; Andra, Andres; Martverk, Peep; Raja, Aimur; Meister, Ants; Loitme, Olev; Pungar, Eda-Tiia; Arro, Ilmar; Trump, Tõnu; Gurjanov, Boris; Belkina, I.I. 1988 https://www.ester.ee/record=b1292907*est

Сокращенное вычисление двумерного дискретного преобразования Фурье

Arro, Ilmar; Trump, Tõnu Методы и алгоритмы цифровой обработки сигналов 1988 / с. 45-53

Спектры фолша радиотехнических сигналов

Madar, Urve; Trump, Tõnu Методы цифровой обработки и хранения радиотехнических сигналов 1987 / с. 12-16