

A set-up for investigation of post-ischaemic recovery of isolated animal heart based on dynamic measurement of pressure, flow, and electrical bioimpedance

Rätsep, Indrek; Kink, Andres; Taal, Günter; Parve, Toomas BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 367-370 : ill

An adaptive filtering system for separation of cardiac and respiratory components of bioimpedance signal

Krivošei, Andrei; Min, Mart; Parve, Toomas; Ronk, Ants 2006 IEEE International Workshop on Medical Measurement and Applications : Benevento, Italy, April 20-21, 2006 2006 / p. 10-15 <https://ieeexplore.ieee.org/document/1644448>

An ASIC for multifrequency bioimpedance analysis

Min, Mart; Holmström, Nils; Järverud, Karin; Land, Raul; Märten, Olev; Parve, Toomas Proceedings of the XI International Conference on Electrical Bio-impedance : June 17-21, 2001, Oslo, Norway 2001 / p. 251-254 : ill

An electrical bioimpedance analyzer for implantable medical devices

Min, Mart; Parve, Toomas Proceedings of the 22nd IEEE Instrumentation and Measurement Technologies Conference of the IEEE IMT IMTC 2005 : Ottawa, Ontario, Canada, 17-19 May, 2005. Vol. III 2005 / p. 1823-1828

An implantable analyzer of bioimpedance dynamics : mixed signal approach

Min, Mart; Parve, Toomas; Kuk, Vello; Kuhlberg, Aivo IEEE transactions on instrumentation and measurement 2002 / 4, p. 674-678

An implantable analyzer of bio-impedance dynamics : mixed signal approach

Min, Mart; Parve, Toomas; Kuk, Vello; Kuhlberg, Aivo 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 1 2001 / p. 38-43 : ill

An instrument for electrical bio-impedance based cardiac and respiratory monitoring

Eek, Andres; Härm, Härmo; Min, Mart; Parve, Toomas 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 2011 / p. 29-30: ill

An instrument for measurement of vector parameters of electrical bio-impedance

Min, Mart; Parve, Toomas; Eek, Andres; Märten, Hannes Proceedings of the IX International Conference on Electrical Bio-Impedance in conjunction with the European Community Concerted Action on Impedance Tomography : September 26-30, 1995, Heidelberg/Germany 1995 / p. 40-43

Analog interface for electrical bio-impedance measurement unit

Min, Mart; Parve, Toomas; Lemendik, Laur BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 199-202: ill

Aspects of using chirp excitation for estimation of bioimpedance spectrum

Paavle, Toivo; Min, Mart; Parve, Toomas Fourier transform - signal processing 2012 / p. 237-256 : ill
https://www.researchgate.net/publication/224830116_Aspects_of_Using_Chirp_Excitation_for_Estimation_of_Bioimpedance_Spectrum

Binary signals in impedance spectroscopy

Min, Mart; Ojarand, Jaan; Märten, Olev; Paavle, Toivo; Land, Raul; Annus, Paul; Rist, Marek; Reidla, Marko; Parve, Toomas Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Conference 2012 / p. 134-137 : ill

Bioimpedance based analysis of tissue oedema

Kink, Andres; Min, Mart; Parve, Toomas; Rätsep, Indrek Proceedings of the XII International Conference on Electrical Bioimpedance & the V Conference on Electrical Impedance Tomography : ICEB/EIT 2004 : June 20-24, 2004, Gdansk, Poland. Vol. 1 2004 / p. 29-32

Bioimpedance based control of rate limit in artificial cardiac pacing

Min, Mart; Kink, Andres; Parve, Toomas; Rätsep, Indrek Proceedings of the IASTED International Conference on Biomedical Engineering BioMED 2005 : February 16-18, 2005, Innsbruck, Austria 2005 / p. 679-703

Bioimpedance based fuzzy control of cardiac pacing

Min, Mart; Parve, Toomas Catalog of the exhibition "Information Society Technologies" (IST'98), 30 Nov. - 2 Dec. 1998, Vienna, Austria 1998 / [1] p

Biomedical electronics

Min, Mart; Parve, Toomas; Salo, Rodney Wiley encyclopedia of biomedical engineering. 1 2006 / p. 500-514

Broadband spectroscopy of a dynamic impedance

Min, Mart; Land, Raul; Paavle, Toivo; Parve, Toomas; Annus, Paul Journal of physics : conference series 2010 / 1, p. 012109

Broadband spectroscopy of dynamic impedances with short chirp pulses

Min, Mart; Land, Raul; Paavle, Toivo; Parve, Toomas; Annus, Paul; Trebbels, Dennis Physiological measurement 2011 / p. 945-958 : ill

Combustion of Baltic oil shale in boilers with fluidized bed combustion

Nešumajev, Dmitri; Ots, Arvo; Parve, Toomas; Pihu, Tõnu; Plamus, Kristjan; Prikk, Arvi Power technology and engineering 2011 / p. 382-385

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

Department of Electronics

Min, Mart; Parve, Toomas; Laansoo, Ants; Männama, Vello; Velme, Enn; Udal, Andres Research activities / Tallinn Technical University 1993 / p. 79-81 https://www.eester.ee/record=b1053754*est

Design concepts of instruments for vector parameter identification

Min, Mart; Parve, Toomas; Ronk, Ants IEEE transactions on instrumentation and measurement 1992 / 1, p. 50-53: fig

Design concepts of instruments for vector parameter identification

Min, Mart; Parve, Toomas; Ronk, Ants IEEE transactions on instrumentation and measurement 1992 / 1, p. 50-53

Design concepts of instruments for vector parameter identification

Min, Mart; Parve, Toomas; Ronk, Ants Enhancing productivity with instrumentation and measurement technologies : record of the IEEE Instrumentation and Measurement Technology Conference : IMTC '91, Atlanta (USA), May 14-16, 1991 1991 / p. 347-352: fig

Design concepts of lock-in signal converters for measurement of dynamic electrical bioimpedance

Parve, Toomas; Holmström, Nils; Land, Raul; Min, Mart; Noren, Kjell Proceedings of the 2nd European Medical & Biological Engineering Conference : EMBEC'02, December 4-8, 2002, Vienna, Austria. 2 2002 / p. 1456-1457

Developing e-learning functionalities on electrical bioimpedance for the biomedical electronics course

Gordon, Rauno; Min, Mart; Parve, Toomas BEC 2012 : 2012 13th Biennial Baltic Electronics Conference : proceedings of the 13th Biennial Baltic Electronics Conference : October 3-5, 2012, Tallinn, Estonia 2012 / p. 327-330 : ill

Development of the biomedical electronics course for e-learning

Parve, Toomas; Gordon, Rauno; Min, Mart 14th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics : NBC2008 : 16-20 June 2008, Riga, Latvia 2008 / p. 425-428

Device and method for monitoring bioimpedance of tissue transplants

Annus, Paul; Haldre, Eero; Kuusik, Alar; Land, Raul; Min, Mart; Paavle, Toivo; Parve, Toomas Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 140-143 : ill

Digital post-processing of the bio-impedance signal

Märtens, Olev; Märtin, 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

Digitally controlled reference impedance device for test and calibration of the bio-impedance measurement system (BIMS) in a networked environment

Birjukov, Andrei; Krivošei, Andrei; Parve, Toomas 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 276-279 https://link.springer.com/chapter/10.1007/978-3-540-73841-1_73

Electrical bioimpedance based monitoring of cardiac and respiratory activity : positioning of capacitive electrodes for wearable human monitoring device

Metshein, Margus; Parve, Toomas International journal of bioelectromagnetism 2015 / p. 64-74 : ill

Electrical bioimpedance measurement : methods and equivalent circuits

Gordon, Rauno; Parve, Toomas BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 363-366 : ill

Electrical bio-impedance measurement in a rate-adaptive pacemaker

Eek, Andres; Min, Mart; Parve, Toomas Matavimai = Measurements 1996 / 1/2, p. 21-24: ill

An energy efficient wearable tissue monitor

Annus, A.; Kuusik, Alar; Land, Raul; Haldre, Eero; Min, Mart; Parve, Toomas; Poola, Gustav 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 240-243 https://link.springer.com/chapter/10.1007/978-3-540-73841-1_64

Excitation current source for bioimpedance measurement applications : analysis and design

Annus, Paul; Krivošei, Andrei; Min, Mart; Parve, Toomas I2MTC 2008 : IEEE International Instrumentation and Measurement Technology Conference : May 12-15, 2008, Victoria, Canada 2008 / p. 848-853 : ill

Impedance controlled pacing rate limits in cardiac pacemakers

Kink, Andres; Parve, Toomas; Rätsep, Indrek International journal of bioelectromagnetism 2003 / 1, Advances in Electrocardiology : proceedings of the XXX International Congress of Electrocardiology : ICE2003 : June 11-14, 2003, Helsinki, Finland, p. 63-64

Impedance detection

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

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

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

Improvement of lock-in signal converters for application in electrical bio-impedance measurement

Parve, Toomas 2000 http://www.ester.ee/record=b1707856*est

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

Improvement of switching lock-in signal conversion in bioimpedance analysers

Parve, Toomas; Land, Raul; Min, Mart; Poola, Gustav BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 179-182 : ill

Improvement of the vector analyser based on two-phase switching mode synchronous detection

Min, Mart; Parve, Toomas Measurement 1996 / 2, p. 103-111: ill

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>

Infotehnoloogia teaduskond

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

Integration of biosensors and associated electronics on lab-on-chip devices

Giannitsis, Athanasios; Parve, Toomas; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 61-66 : ill

Intracardiac bio-impedance measurement for cardiac rhythm control

Holmström, Nils; Järverud, Karin; Min, Mart; Noren, Kjell; Parve, Toomas Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering : NBCBME'99 : June 6-10, 1999, Tallinn, Estonia, p. 163-164: ill

Intracardiac electrical bioimpedance as a basis for controlling of pacing rate limits

Kink, Andres; Salo, Rodney; Min, Mart; Parve, Toomas; Rätsep, Indrek Proceedings of the 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : New York, 30.08-3.09.2006 2006 / p. 6308-6311

A lock-in distortion analyser

Land, Raul; Min, Mart; Männama, Vello; Parve, Toomas 9th International Symposium on Electrical Instruments in Industry, September 8-9, 1997, Glasgow, Scotland : proceedings 1997 / p. 149-152

Lock-in measurement of bio-impedance variations

Min, Mart; Märten, Olev; Parve, Toomas Measurement 2000 / 1, p. 21-28

Lock-in measurement of the hand-hand bio-impedance

Min, Mart; Haldre, H.; Härm, Härm; Märten, Olev; Märten, Hannes; Parve, Toomas; Ronk, Ants 8th International IMEKO Conference on Measurement in Clinical Medicine Biomedical Measurement and Instrumentation & 12th International Symposium on Biomedical Engineering, Dubrovnik, Croatia, September 16-19, 1998 : proceedings 1998 / p. 2.49-2.52

Measurement of intracardiac bioimpedance in rate adaptive pacemakers

Kuusik, Alar; Land, Raul; Min, Mart; Parve, Toomas; Poola, Gustav Proceedings of the 31. International Congress on Electrocardiology : June 27-July 1, 2004, Kyoto, Japan 2004 / [4] p

Measurement of intracardiac bioimpedance in rate adaptive pacemakers

Kuusik, Alar; Land, Raul; Min, Mart; Parve, Toomas; Poola, Gustav Proceedings of the 31st International Congress of Electrocardiology "Advances in Electrocardiology 2004" : 27 June - 1 July, 2004, Singapore 2005 / p. 738-742

A method for estimation of cardiac energy balance

Kink, Andres; Min, Mart; Parve, Toomas Book of abstracts of the 5th Conference of the ESEM : Barcelona, Spain, May 30-June 2, 1999 1999 / p. 489-490

Method for synchronous sampling in multifrequency bioimpedance measurements

Min, Mart; Parve, Toomas; Annus, Paul; Paavle, Toivo Proceedings of the 23rd IEEE Instrumentation and Measurement Technology Conference (IMTC/06) : Sorrento, Italy, 24-27 April, 2006 2006 / p. 1699-1703

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

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

Modelling of cardiac dynamics and intracardiac bioimpedance = Südame dünaamika ja südamesisese bioimpedantsi modelleerimine

Gordon, Rauno 2007 <https://digi.lib.ttu.ee/i/?147>

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

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

Modular system for fast impedance spectrum analysis of biomedical objects

Rist, Marek; Reidla, Marko; Märten, Olev; Land, Raul; Min, Mart; Parve, Toomas; Annus, Paul XVth International Conference on Electrical Bio-Impedance (ICEBI) and XIVth Conference on Electrical Impedance Tomography (EIT) : 22-25 April 2013, Heilbad Heiligenstadt : abstracts 2013 / p. 151 : ill

Modular system for spectral analysis of time-variant impedances

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

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

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

Multisine and binary multifrequency waveforms in impedance spectrum measurement : a comparative study

Annus, Paul; Min, Mart; Ojarand, Jaan; Paavle, Toivo; Land, Raul; Ellervee, Peeter; Parve, Toomas 5th European Conference of the International Federation for Medical and Biological Engineering : 14-18 September 2011, Budapest, Hungary 2012 / p. 1265-1268 https://link.springer.com/chapter/10.1007/978-3-642-23508-5_327

Multisine dynamic EBI spectrum analyser for in vivo experiments

Min, Mart; Märten, Olev; Parve, Toomas Medical & biological engineering & computing 1999 / Suppl. 2, Proceedings of the European Medical & Biomedical Engineering Conference : EMBC'99 : November 4-7, 1999, Vienna, Austria. Part 1, p. 144-145

Mõõtetehnilised lülitrežiimsed sünkroonmudelid : magistritöö

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

New synchronous measurement technique for intracardiac impedance analysis

Kuusik, Alar; Land, Raul; Min, Mart; Parve, Toomas International journal of bioelectromagnetism 2003 / 1, Advances in Electrophysiology : proceedings of the XXX International Congress of Electrophysiology : ICE2003 : June 11-14, 2003, Helsinki, Finland, p. 23-24

Nonlinear chirp pulse excitation for the fast impedance spectroscopy

Ojarand, Jaan; Annus, Paul; **Land, Raul; Parve, Toomas; Min, Mart** Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 4, p. 73-76 : ill

https://www.researchgate.net/publication/268367878_Nonlinear_Chirp_Pulse_Excitation_for_the_Fast_Impedance_Spectroscopy

PC-based vector analyzer

Min, Mart; Parve, Toomas 7th International Symposium on Modern Electrical and Magnetic Measurement : Prague (Czech Republic), September 13-14, 1995. Part 1 1995 / p. 28-32: ill

PC-card vector analyser

Härm, Härmo; Haldre, Eero; Min, Mart; Parve, Toomas Baltic electronics 1995 / 2, p. 31-32: 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

PWM based lock-in bioimpedance measurement unit for implantable medical devices

Kuhlberg, Aivo; Land, Raul; Min, Mart; Parve, Toomas Proceedings of the XVII IMEKO World Congress : June 22-27, 2003, Dubrovnik, Croatia 2003 / p. 1710-1713 : ill

QUADRA impedance spectroscopy devices for dynamic measurements of bio-objects

Rist, Marek; Reidla, Marko; Märten, Olev; Min, Mart; Annus, Paul; Land, Raul; Parve, Toomas 34th Annual International IEEE EMBS Conference : August 28 - September 1, 2012, Hilton Bayfront Hotel in San Diego, California, USA : abstracts 2012 / p. 557 : ill

Rate adaptive pacemaker

Min, Mart; Parve, Toomas Nexus research news (Nexus academic newsletter) 1998 / 1, p. 4-6

Realization and evaluation of the device for measuring the impedance of human body for detecting the respiratory and heart rate

Metshein, Margus; Parve, Toomas; Annus, Paul; Rist, Marek; Min, Mart Elektronika ir elektrotehnika = Electronics and electrical engineering 2017 / p. 36-42 : ill <https://doi.org/10.5755/j01.eie.23.3.18330> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A sampling multichannel bioimpedance analyzer for tissue monitoring

Min, Mart; Land, Raul; Märten, Olev; Parve, Toomas; Ronk, Ants Proc. of the 26. Annual International Conference of the IEEE EMBS : September 1-5, 2004, San Francisco, California, USA 2004 / p. 902-905

Sampling vector analyzer

Min, Mart; Parve, Toomas SampTA'95 : 1995 Workshop on Sampling Theory & Applications, Jurmala, Latvia, September, 1995 1995 / p. 208-211

Scalable impedance spectroscopy : comparative study of sinusoidal and rectangular chirp excitations

Min, Mart; Parve, Toomas; Land, Raul; Annus, Paul Lecture notes on impedance spectroscopy : measurement, modeling and applications. Vol. 2 2012 / p. 33-38

Sensing of physiological dynamic processes using measurement of electrical bioimpedance

Gordon, Rauno; Kuhlberg, Aivo; Min, Mart; Parve, Toomas Датчики и системы : сборник докладов международной конференции. Том 1 = International Conference Sensors & Systems : proceedings. Volume 1 2002 / p. 118-122 : ill

Short-time chirp excitations for using in wideband characterization of objects: an overview

Paavle, Toivo; Min, Mart; Ojarand, Jaan; Parve, Toomas BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 253-256 : ill

Simultaneous multi-frequency bioimpedance measurement applying synchronised uniform or non-uniform sampling

Ronk, Ants; Min, Mart; Parve, Toomas 13th International Conference on Electrical Bioimpedance and 8th Conference on Electrical Impedance Tomography 2007 : ICEBI2007 : August 29th - September 2nd 2007, Graz, Austria 2007 / p. 185-189

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

Switched capacitor technique in implantable lock-in bioimpedance analyzers

Kuhlberg, Aivo; Kukk, Vello; Min, Mart; Parve, Toomas Scientific proceedings of Riga Technical University. 7. serija, Telecommunications and electronics 2001 / p. 59-64 : ill

Switched-capacitor technique in implantable lock-in bioimpedance analyzers

Min, Mart; Parve, Toomas; Kukk, Vello; Kuhlberg, Aivo 42-nd Riga Technical University Conference : RTUC'2001 : Section on Electronics and Telecommunications : Riga, Latvia, Oct. 11-13, 2001 : conference proceedings 2001 / p. 59-64

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>

Thoracic bioimpedance as a basis for pacing control

Min, Mart; Parve, Toomas; Kink, Andres Electrical bioimpedance methods : applications to medicine and biotechnology 1999 / p. 155-166 (invited): ill

Thoracic bio-impedance as a basis for pacing control

Min, Mart; Parve, Toomas; Märtin, Hannes; Kuhlberg, Aivo Proceedings of X International Conference on Electrical Bio-Impedance : ICEBI'98 : 5-9 April 1998, Barcelona 1998 / p. 493-496

TMS320F28069-based impedance spectroscopy with binary excitation

Rist, Marek; Reidla, Marko; Min, Mart; Parve, Toomas; Märtens, Olev; Land, Raul EDERC 2012 : proceedings of the 5th European DSP in Education & Research Conference : 13-14 September 2012, Amsterdam, The Netherlands 2012 / p. 217-220 <https://ieeexplore.ieee.org/document/6532258>

Towards a wearable device for capacitive monitoring of electrical bioimpedance of human body

Metshein, Margus; Parve, Toomas The 10th International Conference on Bioelectromagnetism : proceedings 2015 / [2] p. : ill

Using of chirp excitation for bioimpedance estimation : theoretical aspects and modeling

Paavle, Toivo; Min, Mart; Parve, Toomas 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. 325-328 : ill

Wearable data acquisition system of multimodal physiological signals for personal health care

Annus, Paul; Samiepour, Ali; Rist, Marek; Ruiso, Indrek; Krivošei, Andrei; Land, Raul; Parve, Toomas; Min, Mart pHealth 2013 : proceedings of the 10th International Conference on Wearable Micro and Nano Technologies for Personalized Health : June 26-28, 2013, Tallinn, Estonia 2013 / p. 107-112 : ill <https://doi.org/10.3233/978-1-61499-268-4-107> [Journal metrics at Scopus](#) [Article at Scopus](#)

Vector analysis of signals by means of lock-in measurement devices

Parve, Toomas Tallinna Tehnikaülikooli Toimetised 1990 / lk. 11-18

Wideband object identification with rectangular wave chirp excitation

Paavle, Toivo; Min, Mart; Annus, Paul; Birjukov, Andrei; Land, Raul; Parve, Toomas ECCTD'09 : European Conference on Circuit Theory and Design 2009 : Antalya, Turkey, August 23-27, 2009 2009 / p. 421-424 <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5275007>

A virtual system for simultaneous multi-frequency measurement of electrical bioimpedance

Gordon, Rauno; Land, Raul; Min, Mart; Parve, Toomas; Salo, R.W. International journal of bioelectromagnetism 2005 / p. 243-246

Автокомпенсационный процентометрический измеритель комплексной проводимости с преобразователями дискретного действия

Parve, Toomas; Trumm, Tõnu Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 49-55 : илл https://www.ester.ee/record=b1264145*est <https://digikogu.taltech.ee/et/Item/81bf2178-a9f8-417d-86c7-2000cca6a01e>

Автокомпенсационный процентометрический измеритель комплексных составляющих полной проводимости

Parve, Toomas; Trumm, Tõnu Тезисы докладов республиканской научно-технической конференции, посвященной Дню радио. [1], Секция: Информационно-измерительная техника 1981 / с. 11-12 https://www.ester.ee/record=b1310782*est

Векторные анализаторы - современные средства анализа электрических сигналов

Min, Mart; Parve, Toomas 1985

Влияние принципа действия узла синхронного преобразования на метрологические свойства векторных вольтметров

Parve, Toomas Вопросы теории и проектирования электронных вольтметров и средств их проверки : тезисы докладов республиканской научно-технической конференции, [17-18 сентября 1985 года, Таллин] 1985 / с. 89-90
https://www.ester.ee/record=b1255402*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

Вопросы разработки измерительного канала векторвольтметров дискретного действия

Parve, Toomas; Land, Raul; Lipping, Kalle Синхронные измерительные преобразователи 1984 / с. 17-27

Зависимость метрологических характеристик векторных вольтметров от свойств применяемых в них синхронных преобразователей дискретного действия

Parve, Toomas Анализ и синтез сложных систем и цепей с помощью ЭВМ 1986 / с. 93-101

Квадратурный перемножитель для двухканального фильтра

Min, Mart; Parve, Toomas Избирательные системы с обратной связью : межвузовский тематический научный сборник 1983 / с. 127-129 https://www.ester.ee/record=b2347952*est

О применении системы фазовой автоподстройки для управления синхронным детектором

Min, Mart; Parve, Toomas Всесоюзная научно-техническая конференция "Дальнейшее развитие и внедрение новой техники приемных устройств" : тезисы докладов и сообщений 1977 / с. 102-103

О схемных реализациях бездрейфовых сглаживающих фильтров

Parve, Toomas; Min, Mart Анализ и моделирование технических устройств и систем АСУТП 1977 / с. 95-101 : илл
https://www.ester.ee/record=b2190987*est <https://digikogu.taltech.ee/et/Item/b7c66054-0b4f-4684-9453-442bc7e6e200>

Предусилитель для синхронных измерительных преобразователей

Parve, Toomas Анализ и моделирование технических устройств и систем АСУТП 1978 / с. 65-73 : илл
https://www.ester.ee/record=b2191003*est <https://digikogu.taltech.ee/et/Item/00fbff38-ccfb-411c-ad55-0c6b943b766b>

Расширение области применения ключевых синхронных детекторов

Min, Mart; Parve, Toomas Тезисы докладов республиканской научно-технической конференции, посвященной Дню радио, Таллин, 1977 1977 / с. 106 https://www.ester.ee/record=b1313776*est

Свойства вектормерных измерительных синхронных преобразователей дискретного действия

Parve, Toomas Расчет и проектирование измерительных преобразователей 1983 / с. 19-23
https://www.ester.ee/record=b1288985*est <https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959>

Свойства модуляционных синхронных преобразователей

Võrno, Toivo; Parve, Toomas Синхронные измерительные преобразователи 1984 / с. 29-37

Селективность синхронных детекторов дискретного действия с фазовой манипуляцией сигналов

Parve, Toomas; Võrno, Toivo Тезисы докладов Республиканской научно-технической конференции, посвященной Дню радио, октябрь 1983. Секция "Цифровая обработка сигналов" 1983 / с. 14-15 https://www.ester.ee/record=b3677397*est

Синхронный преобразователь (его варианты) : [А. с. 1589371]

Min, Mart; Parve, Toomas; Sillamaa, Hanno Открытия. Изобретения 1990 / 32, с. 247

Сглаживающие фильтры с равноволновой переходной характеристикой

Parve, Toomas; Min, Mart Избирательные системы с обратной связью : межвузовский тематический научный сборник 1983 / с. 52-55 https://www.ester.ee/record=b2347952*est

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>

Способы уменьшения погрешностей измерения параметров вектора синхронными преобразователями дискретного действия

Parve, Toomas Анализ и синтез сложных систем и цепей с помощью ЭВМ 1985 / с. 111-119

Устройство для синхронного преобразования (его варианты) : [А.с. 1589372]

Min, Mart; Parve, Toomas; Kukk, Vello; Land, T. Открытия. Изобретения 1990 / 32, с. 247-248

Устройство для формирования квадратурных гармонических колебаний (автоское свидетельство № 752369)

Min, Mart; Parve, Toomas Открытия, изобретения, промышленные образцы, товарные знаки : официальный бюллетень Комитета по делам изобретений и открытий при Совете Министров СССР 1980 / с. 231

https://yandex.ru/patents/doc/SU752369A1_19800730

Электротехника и автоматика

Bachverk, Aleksander; Min, Mart; Parve, Toomas; Land, Raul; Lipping, Kalle; Võrno, Toivo; Logunov, Gennadi; Rüstern, Ennu; Peterson, Jaak; Trumm, Tõnu; Trampärk, H.; **Sillamaa, Hanno** 1984 https://www.ester.ee/record=b1356648*est

Электротехника и автоматика

Seppel, Simmu; Sillamaa, Hanno; Aarna, Olav; Raiend, Kullo; Kukk, Vello; Rüstern, Ennu; Vendelin, Jelena; Leppikson, Viktor; Vijar, Merike; Kurm, Matti; Min, Mart; Parve, Toomas; Väljamäe, Gunnar; Proode, Ülo; Tilk, Johan; Gordon, Boris; Einer, Lauri; Remmel, Ülo; Sepp, Ülo; Uutma, Toomas; Annus, Arno; Bachverk, Aleksander; Kiitam, Andres; Saks, Eva; Sildaru, Kalev 1985 https://www.ester.ee/record=b1302188*est

Электротехника и автоматика

Mägi, Harri; Rüstern, Ennu; Aarna, Olav; Kiitam, Andres; Land, Raul; Min, Mart; Ronk, Ants; Parve, Toomas; Rang, Toomas; Mahhitko, V.P.; Šendrik, M.G.; Tamm, Boris, inform. 1986 https://www.ester.ee/record=b1296468*est