Adaptive algorithms for heart rate reconstruction
Hinrikus, Hiie; **Meigas, Kalju**; Kaik, Jüri; **Lass, Jaanus** Proceedings of the First Joint BMES/EMBS Conference : Serving Humanity Advancing Technology, Oct. 13-16, 99, Atlanta, GA, USA 1999 / p. 320

Adaptive sum comb filter for PPG signals by using ECG signal as reference
Pilt, Kristjan; **Meigas, Kalju**; **Lass, Jaanus**; **Rosmann, M.**; **Kaik, 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. 317-320 : ill

After-effect induced by microwave radiation in human electroencephalographic signal : a feasibility study
Bachmann, Maie; **Päeske, Laura**; Ioannides, Andreas A.; **Lass, Jaanus**; **Hinrikus, Hiie** International journal of radiation biology 2018 / p. 896–901 : ill https://doi.org/10.1080/09553002.2018.1478164 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An alternative method for estimating muscle fatigue compared with continuous wavelet transform method
Tuulik, Viiu; **Ferenets, Rain**; **Lass, Jaanus**; Helemäe, Jana; Vaht, Mai Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 396-397

An alternative muscle fatigue estimation method
Ferenets, Rain; **Lass, Jaanus**; **Tuulik, Viiu**; Vaht, Mai IV International Workshop on Biosignal Interpretation : BSI2002, Como, Italy, 24th-26th June, 2002 : proceedings 2002 / p. 227-230 : ill

Analyse of T-wave morphology for discrimination of life threatening arrhytmias - preliminary study
Olli, Ülle; **Karai, Deniss**; **Lass, Jaanus**; Kaik, Jüri; Vainu, Meelis Medicon 2001 : IX Mediterranean Conference on Medical and Biological Engineering and Computing : June 12-15, 2001, Pula, Croatia : [proceedings]. Part I 2001 / p. 344-347

Application of electroencephalographic signal based measures for early detection of depression symptoms in occupational health = Elektroentsefalograafilisel signaalil põhinevate indikaatorite kasutamine depressiooni sümptomite varaseks avastamiseks töötervishoius
Põld, Toomas 2021 https://www.ester.ee/record=b5473276*est https://digikogu.taltech.ee/et/Item/c9b2a014-84fc-4003-88a2-85836830038a https://doi.org/10.23658/taltech.61/2021

Application of the parameters, reflecting venticular repolarization inhomogeneity for identification of patients with life-threatening arrhythmias
Kaik, Jüri; **Lass, Jaanus**; **Meigas, Kalju** Proceedings of the 2nd International Conference on Bioelectromagnetism, 15-18 February 1998, Melbourne, Australia 1998 / p. 27-28: ill https://ieeexplore.ieee.org/document/666378

Arterial hypertension, left ventricular geometry and QT dispersion in a middle-aged Estonian female population
Shipilova, Tatjana; Pšenitšnikov, Igor; Kaik, Jüri; Volozh, Olga; Abina, Jelena; Kalev, Maie; **Lass, Jaanus**; **Karai, Deniss** Blood pressure 2003 / 1, p. 12-18

Assessment of objective symptoms of depression in occupational health examination
Põld, Toomas; **Päeske, Laura**; **Bachmann, Maie**; **Lass, Jaanus**; **Hinrikus, Hiie** Journal of occupational and environmental medicine 2019 / p. 605-609 https://doi.org/10.1097/JOM.0000000000001622 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Biosignal interpretation : study of cardiac arrhythmias and electromagnetic field effects on human nervous system
Lass, Jaanus 2002 http://www.ester.ee/record=b1715357*est

Bispectrum for the detection of the effect of photic and microwave stimulation on human EEG
Parts, Maie; **Lipping, Tarmo**; **Lass, Jaanus**; **Hinrikus, Hiie** Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 25, A New Beginning for Human Health : volume 3 of 4 : 17-21 September 2003, Cancun, Mexico 2003 / p. 2327-2330 : ill

Blood flow detection with diode laser
Meigas, Kalju; **Hinrikus, Hiie**; **Kattai, Rain**; **Lass, Jaanus** Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [3] p. : ill

Blood groups, blood pressure and left ventricular geometry in women
Shipilova, Tatjana; Pšenitšnikov, Igor; Volozh, Olga; Abina, Jelena; Kalev, Maie; Kaik, Jüri; **Lass, Jaanus**; **Karai, Deniss** Journal of hypertension 2002 / p. 20

Calculation of pulse wave transit time and its correlation with blood pressure using different physiological signals [Electronic resource]
Meigas, Kalju; **Lass, Jaanus**; **Kattai, Rain**; **Karai, Deniss**; Kaik, Jüri Proceedings of World Congress on Medical Physics and

Biomedical Engineering, Sidney, Australia, 2003 2003 / [4] p. [CD-ROM]

Can pulse wave transit time as a control parameter be used for rate adaptive cardiac pacing?
Lass, Jaanus; **Hinrikus, Hiie**; **Meigas, Kalju**; **Kattai, Rain**; Kaik, Jüri Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 636-637

Changes in EEG caused by modulated microwave field
Hinrikus, Hiie; **Lass, Jaanus**; **Parts, Maie**; **Tuulik, Viiu** EBEA 2003 : 6th International Congress of the European Bioelectromagnetics Association (EBEA) : 13-15 November 2003 : Budapest, Hungary : book of abstracts 2003 / p. 171

Changes in human EEG caused by low level modulated microwave stimulation
Hinrikus, Hiie; **Parts, Maie**; **Lass, Jaanus**; **Tuulik, Viiu** Bioelectromagnetics 2004 / p. 431-440 : ill

Coherent photodetection as a non-invasive method in medical diagnostics
Meigas, Kalju; **Hinrikus, Hiie**; **Kattai, Rain**; **Lass, Jaanus** Biomedical Research and Industrial Participation in Europe : Trends and Future, April 27-28, 1998, Brussels / ESEM 1998 / p. 10

Coherent photodetection for pulse profile registration
Meigas, Kalju; **Hinrikus, Hiie**; **Kattai, Rain**; **Lass, Jaanus** Proceedings of Coherence Domain Optical Methods in Biomedical Science and Clinical Applications III : 27-29 January, 1999, San Jose, California 1999 / p. 195-202: ill

Comparison of different heart rate reconstruction algorithms for rate adaptive cardiac pacing
Lass, Jaanus; **Hinrikus, Hiie**; **Meigas, Kalju**; Kaik, Jüri Medical & biological engineering & computing 1999 / Suppl. 2, Proceedings of the European Medical & Biomedical Engineering Conference : EMBEC'99 : November 4-7, 1999, Vienna, Austria. Part 2, p. 1282-1283

Comparison of different physiological parameters for heart rate modelling in rate adaptive cardiac pacing
Lass, Jaanus; **Hinrikus, Hiie**; **Meigas, Kalju**; Kaik, Jüri Proceedings of International Conference Biomedical Engineering, Kaunas University of Technology, 16-17 October 1997 1997 / p. 122-125: ill

Comparison of different ventricular repolarisation phases from ECG for identifying patents with increased risk of sudden cardiac death
Lass, Jaanus; Kaik, Jüri; **Karai, Deniss**; **Hinrikus, Hiie**; Vainu, Meelis IV International Workshop on Biosignal Interpretation : BSI2002, Como, Italy, 24th-26th June, 2002 : proceedings 2002 / p. 393-396 : ill

Comparison of photic and microwave simulation effects on EEG
Hinrikus, Hiie; **Parts, Maie**; **Lass, Jaanus**; **Tuulik, Viiu** Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 482-489 : ill

Comparison of signals of pulse profile as skin surface vibrations, PPG and Doppler spectrogram for continuous blood pressure monitoring
Meigas, Kalju; **Kattai, Rain**; **Nigul, Mait**; **Lass, Jaanus** Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 510-511

Continuous blood pressure monitoring during exercise using pulse wave transit time measurement
Lass, Jaanus; **Meigas, Kalju**; **Karai, Deniss**; **Kattai, Rain**; Kaik, Jüri; Rossmann, Mart Proceedings of the 26th Annual International Conference of the IEEE EMBC : San Francisco, CA, USA, September 1-5, 2004 2004 / p. 2239-2242 : ill

Continuous blood pressure monitoring using method of optical self-mixing
Meigas, Kalju; **Lass, Jaanus**; **Kattai, Rain** Workshop on Biomedical Information Engineering : 25-27 June, 2000, Istanbul - Turkey : proceedings 2000 / p. 97-100 : ill

Continuous blood pressure monitoring using pulse wave delay
Meigas, Kalju; **Kattai, Rain**; **Lass, Jaanus** 2001 Conference Proceedings of the 23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society : 25-28 October 2001, Istanbul, Turkey. Vol. 4 2001 / p. 3171-3174 : ill

Correlation between EEG functional connectivity and fasting blood glucose in healthy subjects
Päeske, Laura; **Hinrikus, Hiie**; **Lass, Jaanus**; Põld, Toomas; **Bachmann, Maie** 2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2024 / p. 1 - 4 https://ieeexplore.ieee.org/document/10781613 https://doi.org/10.1109/EMBC53108.2024.10781613

Correlation between electroencephalographic markers in the healthy brain
Päeske, Laura; **Uudeberg, Tuuli**; **Hinrikus, Hiie**; **Lass, Jaanus**; **Bachmann, Maie** Scientific reports 2023 / art. 6307 https://doi.org/10.1038/s41598-023-33364-z Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Correlation between measured surface and endocardial electrical signals of heart
Hinrikus, Hiie; Kaik, Jüri; **Meigas, Kalju**; **Lass, Jaanus** Proceedings of the 2nd International Conference on Bioelectromagnetism, 15-18 February 1998, Melbourne, Australia 1998 / p. 127-128: ill https://ieeexplore.ieee.org/document/666428

Correlation between the invasive and non-invasive parameters of cardiac ventricular repolarization prolongation and inhomogeneity
Kaik, Jüri; **Hinrikus, Hiie**; **Meigas, Kalju**; **Lass, Jaanus** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [3] p

Correlation between the invasive and non-invasive parameters of cardiac ventricular repolarization prolongation and inhomogeneity
Kaik, Jüri; **Hinrikus, Hiie**; **Meigas, Kalju**; **Lass, Jaanus** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : final programme and abstracts of papers 1998 / p. 190

Detection and interpretation of low-level stressor effects on brain using complex methods
Lass, Jaanus; **Ferenets, Rain**; Riisalu, R.; **Tuulik, Viiu**; **Hinrikus, Hiie** Workshop on Biomedical Information Engineering : 25-27 June, 2000, Istanbul - Turkey : proceedings 2000 / p. 235-238 : ill

Detrended fluctuation analysis of EEG in depression
Bachmann, Maie; **Suhhova, Anna**; **Lass, Jaanus**; Aadamsoo, Kaire; Võhma, Ülle; **Hinrikus, Hiie-Agnes** XIII Mediterranean Conference on Medical and Biological Engineering and Computing 2013, MEDICON 2013, 25-28 September 2013, Seville, Spain 2014 / p. 694-697 https://doi.org/10.1007/978-3-319-00846-2_172 Conference proceedings at Scopus Article at Scopus

Device for continuous blood pressure measurements
Meigas, Kalju; **Lass, Jaanus**; **Karai, Deniss**; **Kattai, Rain**; **Kaik, Jüri** NBC'05 UMEA : 13th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : June 13th-17th, 2005, Umea, Sweden 2005 / p. 164-165 : ill

ECG QT interval dispersion assessment to identify the sudden death risk of patients with various heart diseases
Kaik, Jüri; **Meigas, Kalju**; **Lass, Jaanus**; Kaik, Veera Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 240-241

Echocardiographic assessment of the different left ventricular geometric patterns in middle-aged men and women in Tallinn
Shipilova, Tatjana; Pšenitšnikov, Igor; Kaik, Jüri; Volozh, Olga; Abina, Jelena; Kalev, Maie; **Lass, Jaanus**; **Meigas, Kalju** Blood pressure 2004 / 5/6, p. 284-290 https://pubmed.ncbi.nlm.nih.gov/14763659/

EEG analyzer prototype based on FPGA
Jenihhin, Maksim; **Gorev, Maksim**; **Pesonen, Vadim**; **Mihhailov, Dmitri**; **Ellervee, Peeter**; **Hinrikus, Hiie**; **Bachmann, Maie**; **Lass, Jaanus** 7th International Symposium on Image and Signal Processing and Analysis (ISPA 2011) : September 4-6, 2011, Dubrovnik, Croatia : proceedings 2011 / p. 101-106 : ill https://ieeexplore.ieee.org/document/6046588

EEG spectral asymmetry index detects differences between leaders and non-leaders
Põld, Toomas; **Bachmann, Maie**; **Orgo, Laura**; **Kalev, Kaia**; **Lass, Jaanus**; **Hinrikus, Hiie** 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. 17-20 https://doi.org/10.1007/978-981-10-5122-7_5 Conference proceedings at Scopus Article at Scopus Article at WOS

EEG spectral asymmetry index for detection of depression at individual and fixed frequency bands [Electronic resource]
Suhhova, Anna; **Bachmann, Maie**; **Lass, Jaanus**; Aadamsoo, Kaire; Võhma, Ülle; **Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering May 26-31, 2012, Beijing, China 2012 / p. 589-592 : ill [CD-ROM] https://link.springer.com/chapter/10.1007/978-3-642-29305-4_154 Conference Proceedings at Scopus Article at Scopus

EEG spectral asymmetry is dependent on education level of men
Põld, Toomas; **Bachmann, Maie**; **Päeske, Laura**; **Kalev, Kaia**; **Lass, Jaanus**; **Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 405–408 https://doi.org/10.1007/978-981-10-9038-7_76 Conference Proceedings at Scopus Article at Scopus Article at WOS

Eesti Biomeditsiinitehnika ja Meditsiinifüüsika Ühing
Lass, Jaanus Inseneeria 2008 / 6, lk. 17 https://artiklid.elnet.ee/record=b2040961*est

Eesti Biomeditsiinitehnika ja Meditsiinifüüsika Ühing = The Estonian Society for Biomedical Engineering and Medical Physics
Lass, Jaanus; **Nazarenko, Sergei**; **Hinrikus, Hiie**; **Holmar, Jana** Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiate instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinifüüsika Ühingut = 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. 13-15, p. 13-15 : ill

Effect of 450 MHz microwave modulated with 217 Hz on human EEG in rest
Bachmann, Maie; **Säkki, Maksim**; **Kalda, Jaan**; **Lass, Jaanus**; **Tuulik, Viiu**; **Hinrikus, Hiie** The environmentalist 2005 / 2/4, p. 165-171

Effect of coffee on EEG spectral assymmetry
Saifudinova, Maie; **Bachmann, Maie**; **Lass, Jaanus**; **Hinrikus, Hiie** World Congress on Medical Physics and Biomedical Engineering, June 7–12, 2015, Toronto, Canada 2015 / p. 1030-1033 https://doi.org/10.1007/978-3-319-19387-8_251 Conference proceedings at Scopus Article at Scopus Article at WOS

Effect of conorary bypass surgery on QT interval dispersion as a measure of venticular repolarization inhomogeneity
Kaik, Jüri; **Lass, Jaanus**; **Hinrikus, Hiie**; **Meigas, Kalju**; Graf, Aita; Kaik, Veera; Sulling, Toomas Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [4] p. : ill

Effect of microwave radiation on human EEG at two different levels of exposure
Suhhova, Anna; **Bachmann, Maie**; **Karai, Deniss**; **Lass, Jaanus**; **Hinrikus, Hiie** Bioelectromagnetics 2012 / p. 264 - 274 : ill https://doi.org/10.1002/bem.21772 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Effect of modulated microwave radiation on electroencephalographic rhythms and cognitive processes
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus**; **Tuulik, Viiu** Estonian journal of engineering 2008 / 2, p. 91-106 : ill

Effect of negative and positive emotions on EEG spectral asymmetry
Päeske, Laura; **Bachmann, Maie**; **Lass, Jaanus**; **Hinrikus, Hiie** 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / p. 8107 - 8110 https://doi.org/10.1109/EMBC.2015.7320275 Conference Proceedings at Scopus Article at Scopus

Effect of the microwave radiation on human EEG at different modulation frequencies [Electronic resource]
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus**; **Tuulik, Viiu** Medicon and Health Telematics 2004 "Health in the Information Society" : Xth Mediterranean Conference on Medical and Biological Engineering : July 31 - August 5, 2004, Ischia, Napeles-Italy 2004 / [4] p. : ill. [CD-ROM]

Effects of 7 Hz-modulated 450 MHz electromagnetic radiation on human performance in visual memory tasks
Lass, Jaanus; **Tuulik, Viiu**; **Ferenets, Rain**; Riisalo, R.; **Hinrikus, Hiie** International journal of radiation biology 2002 / 10, p. 937-944 : ill https://www.researchgate.net/publication/11005068_Effects_of_7_Hz-modulated_450_MHz_electromagnetic_radiation_on_human_performance_in_visual_memory_tasks

EMF as a low-level physical stressor
Lass, Jaanus; **Tuulik, Viiu**; **Riisalo, Riina**; **Ferenets, Rain**; **Hinrikus, Hiie** Biological Effects of EMFs : Heraklio, Crete, Greece 17-20 October, 2000 : proceedings 2000 / p. 280-284 : ill

EMF effect on attention and memory
Lass, Jaanus; **Ferenets, Rain**; Niimeister, R.; **Riisalo, Riina**; **Tuulik, Viiu**; **Hinrikus, Hiie** Proceedings of the EBEA 2001 : 5th International Congress of the European BioElectromagnetics Association : 6-8 September 2001, Helsinki, Finland 2001 / p. 97-98

Evaluation of the quality of rate adaption algorithms for cardiac pacing
Lass, Jaanus; Kaik, Jüri; **Meigas, Kalju**; **Hinrikus, Hiie**; Blinowska, A. Europace 2001 / p. 221-228 : ill

Füsioloogiliste signaalide süsteem sagedusadaptiivse südamestimulaatori tüürimiseks : magistritöö
Lass, Jaanus 1996 https://www.ester.ee/record=b2687125*est

Higuchi's fractal dimension for analysis of the effect of microwave exposure in depression
Bachmann, Maie; **Suhhova, Anna**; **Lass, Jaanus**; Aadamsoo, Kaire; Võhma, Ülle; **Hinrikus, Hiie** Proceedings : 7th International Workshop on Biological Effects of Electromagnetic Field : October 2012 (Malta) 2012 / 4 p. : ill

Implementation of surface EMG for rehabilitation studies
Ferenets, Rain; **Tuulik, Viiu**; **Lass, Jaanus** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 416-417: ill

Individualisation of model for reconstruction of heart rate
Lass, Jaanus; **Hinrikus, Hiie**; Kaik, Jüri; **Meigas, Kalju** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [6] p. : ill

Individualisation of model for reconstruction of heart rate
Lass, Jaanus; **Hinrikus, Hiie**; Kaik, Jüri; **Meigas, Kalju** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : final programme and abstracts of papers 1998 / p. 188

Influence of low-level microwave radiation on nerve pulse conduction velocity
Hinrikus, Hiie; **Lass, Jaanus**; **Karai, Deniss**; Kalda, Jaak; **Tomson, Ruth**; **Tuulik, Viiu** Biological Effects of EMFs 3rd International Workshop : Kos, Greece, 4-8 October 2004 : proceedings. Volume 2 2004 / p. 641-648 : ill

Interaction of low-level microwave radiation with nervous system - a quasi-thermal effect?
Hinrikus, Hiie; **Lass, Jaanus**; **Tuulik, Viiu** Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 2, p. 82-94

Laser-doppler method for suspension flow detection using optical self-mixing in a diode laser
Meigas, Kalju; **Hinrikus, Hiie**; **Kattai, Rain**; **Lass, Jaanus** Physica medica 1999 / 3, p. 190

Lempel Ziv complexity of EEG in depression
Bachmann, Maie; **Kalev, Kaia**; **Suhhova, Anna**; **Lass, Jaanus**; **Hinrikus, Hiie** 6th European Conference of the International Federation for Medical and Biological Engineering, MBEC 2014, 7-11 September 2014, Dubrovnik, Croatia 2015 / p. 58-61 : ill https://doi.org/10.1007/978-3-319-11128-5_15 Conference proceedings at Scopus Article at Scopus Article at WOS

Lempel-Ziv and multiscale Lempel-Ziv complexity in depression
Kalev, Kaia; **Bachmann, Maie**; **Päeske, Laura**; **Lass, Jaanus**; **Hinrikus, Hiie** 2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2015 / art. 7319310 https://doi.org/10.1109/EMBC.2015.7319310 Conference Proceedings at Scopus Article at Scopus

Limiting exposure to radiofrequency radiation : the principles and possible criteria for health protection
Hinrikus, Hiie; **Koppel, Tarmo**; **Lass, Jaanus**; **Roosipuu, Priit**; **Bachmann, Maie** International Journal of Radiation Biology 2023 / p. 1167-1177 https://doi.org/10.1080/09553002.2023.2159567 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Long-term stability of EEG spectral asymmetry index - preliminary study
Uudeberg, Tuuli; **Päeske, Laura**; Põld, Toomas; **Lass, Jaanus**; **Hinrikus, Hiie**; **Bachmann, Maie** XV Mediterranean Conference on Medical and Biological Engineering and Computing - MEDICON 2019 : proceedings of MEDICON 2019, September 26–28, 2019, Coimbra, Portugal 2020 / p. 276-281 https://doi.org/10.1007/978-3-030-31635-8_33 Conference proceeding at Scopus Article at Scopus Article at WOS

Long-term stability of resting state EEG-based linear and nonlinear measures
Põld, Toomas; **Peäske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; **Bachmann, Maie** International journal of psychophysiology 2021 / p. 83-87 https://doi.org/10.1016/j.ijpsycho.2020.11.013 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low-level microwave effect on nerve pulse propagation velocity
Hinrikus, Hiie; **Lass, Jaanus**; **Tuulik, Viiu** Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 25, A New Beginning for Human Health : volume 4 of 4 : 17-21 September 2003, Cancun, Mexico 2003 / p. 3253-3256 : ill https://doi.org/10.1109/IEMBS.2003.1280837

Low-level microwave effects on EEG
Hinrikus, Hiie; **Lass, Jaanus**; **Tuulik, Viiu** Medical physics 2000 / 6, [CD-ROM], Digest of Papers of the 2000 World Congress on Medical Physics and Biomedical Engineering and [...] : Chicago 2000 : July 23-28, 2000, Chicago's Navy Pier, [4] p. : ill

Low-level microwave effects on EEG alpha and theta waves [Electronic resource]
Parts, Maie; **Lass, Jaanus**; **Lipping, Tarmo**; **Tuulik, Viiu**; **Hinrikus, Hiie** Proceedings of World Congress on Medical Physics and Biomedical Engineering : Sidney, Australia, 2003 2003 / [4] p. [CD-ROM] https://researchportal.tuni.fi/en/publications/low-level-microwave-effects-on-eeg-alpha-and-theta-waves

Low-level microwave effects on nervous system
Hinrikus, Hiie; **Lass, Jaanus**; **Meigas, Kalju**; **Tuulik, Viiu** Biological Effects of EMFs : Heraklio, Crete, Greece 17-20 October, 2000 : proceedings 2000 / p. 320-329 : ill

Low-level microwave radiation effect on nerve pulse conduction velocity
Hinrikus, Hiie; **Tomson, Ruth**; **Lass, Jaanus**; **Karai, Deniss**; Kalda, Jaak; **Tuulik, Viiu** The environmentalist 2005 / 2/4, p. 157-163 https://www.researchgate.net/publication/227333897_Low-Level_Microwave_Radiation_Effect_on_Nerve_Pulse_Conduction_Velocity

Low-level modulated microwave effect onEEG alpha-wave
Parts, Maie; **Lass, Jaanus**; **Tuulik, Viiu**; **Hinrikus, Hiie** Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 490-494 : ill

Measurement of correlation between heart rate and physiological parameters variations
Lass, Jaanus; **Hinrikus, Hiie**; Kaik, Jüri; **Meigas, Kalju** Proceedings of the 19th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Oct. 30 - Nov. 2, 1997, Chicago, IL USA 1997 / p. 308-310: ill

Measurement of correlation between heart rate and physiological parameters variations
Lass, Jaanus; **Hinrikus, Hiie**; Kaik, Jüri; **Meigas, Kalju** 19th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Oct. 30 - Nov. 2, 1997, Chicago IL USA : Magnificent Milestones and Emerging Opportunities in Medical Engineering : final program & abstract book 1997 / p. 63 https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=754535

Mechanism of low-level microwave radiation effect on brain : frequency limits
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus** 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. 647-650 https://doi.org/10.1007/978-981-10-5122-7_162 Conference proceedings at Scopus Article at Scopus Article at WOS

Mechanism of low-level microwave radiation effect on nervous system
Hinrikus, Hiie; **Bachmann, Maie**; **Karai, Denis**; **Lass, Jaanus** Electromagnetic biology and medicine 2017 / p. 202-212 https://doi.org/10.1080/15368378.2016.1251451 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Meditsiinitehnika - terviseinseneering
Hinrikus, Hiie; **Lass, Jaanus**; **Meigas, Kalju**; **Fridolin, Ivo** Teadusmõte Eestis. 4, Tehnikateadused. 2 2007 / lk. 17-25 : ill

Method and device for beat-to-beat blood pressure measurements [Electronic resource]
Meigas, Kalju; **Lass, Jaanus**; **Karai, Deniss**; **Kattai, Rain**; **Kaik, Jüri** IFMBE proceedings 2005 / [6] p. [CD-ROM]

Method for testing the brain
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus**; **Tuulik, Viiu**; **Ubar, Raimund-Johannes** 5th European Conference of the International Federation for Medical and Biological Engineering : 14-18 September 2011, Budapest, Hungary 2012 / p. 1198-1201 : ill

Method of optical self-mixing for pulse wave transit time measurement in comparison with other methods and correlation with blood pressure
Meigas, Kalju; **Lass, Jaanus**; **Kattai, Rain**; **Karai, Deniss**; Kaik, Jüri Coherence Domain Optical Methods and Optical Coherence Tomography in Biomedicine VIII : 26-28 January 2004, San Jose, California, USA 2004 / p. 444-453 : ill
https://www.spiedigitallibrary.org/conference-proceedings-of-spie/5316/1/Method-of-optical-self-mixing-for-pulse-wave-transit-time/10.1117/12.524273.full#_=_

Methods for classifying depression in single channel EEG using linear and nonlinear signal analysis
Bachmann, Maie; **Päeske, Laura**; **Kalev, Kaia**; **Aarma, Katrin**; Lehtmets, Andres; Ööpik, Pille; **Lass, Jaanus**; **Hinrikus, Hiie** Computer methods and programs in biomedicine 2018 / p. 11−17 : ill https://doi.org/10.1016/j.cmpb.2017.11.023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microwave effect on diffusion: A possible mechanism for non-thermal effect
Hinrikus, Hiie; **Lass, Jaanus**; **Karai, Denis**; **Pilt, Kristjan**; **Bachmann, Maie** Electromagnetic Biology and Medicine 2015 / p. 327 - 333 https://doi.org/10.3109/15368378.2014.921195 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Microwave radiation has modulation frequency dependent stimulating effect on human EEG rhythms
Lass, Jaanus; **Hinrikus, Hiie**; **Bachmann, Maie**; **Tuulik, Viiu** Proceedings of the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society : San Francisco, CA, USA, September 1-5, 2004. Vol. 2 2004 / p. 4225-4228 : ill
https://pubmed.ncbi.nlm.nih.gov/17271236/

Mobiil hakkab ajudele : [Hiie Hinrikuse ja Jaanus Lassi kommentaaridega]
Hinrikus, Hiie; **Lass, Jaanus** Põhjarannik 2005 / 26. veebr., lk. 5

Mobiiltelefonide kahjulikkust pole suudetud ametlikult tõestada: [Hiie Hinrikuse ja Jaanus Lassi seisukohtadest seminaril Tartus]
Karuse, Kaupo; **Hinrikus, Hiie**; **Lass, Jaanus** Pärnu Postimees 1999 / 8. dets., lk. 9: ill

Modelling of heart rate, based on measured physiological parameters for rate adaptive cardiac pacing
Meigas, Kalju; **Hinrikus, Hiie**; **Kaik, Jüri**; **Lass, Jaanus**; Sliwa, Waldemar Medical & biological engineering & computing 1997 / Part 1, World Congress on Medical Physics and Biomedical Engineering : XVIII International Conference on Medical and Biological Engineering and XI International Conference on Medical Physics, September 14-19, 1997, Nice, France, p. 447

Modulated low-level electromagnetic field effects on EEG visual event-related potentials
Lass, Jaanus; **Kruusing, Kristjan**; **Hinrikus, Hiie** Estonian journal of engineering 2008 / p. 124-137 : ill
https://artiklid.elnet.ee/record=b1022240*est

Modulated microwave effects on EEG
Lass, Jaanus; **Parts, Maie**; **Tuulik, Viiu**; **Hinrikus, Hiie** Proceedings of the EBEA 2001 : 5th International Congress of the European BioElectromagnetics Association : 6-8 September 2001, Helsinki, Finland 2001 / p. 289-291

Modulated microwave effects on EEG alpha-waves
Lass, Jaanus; **Tuulik, Viiu**; **Hinrikus, Hiie** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 105-108: ill

Monitoring blood pressure from pulse wave transit time
Tepner, Ingrid; **Lass, Jaanus**; **Karai, Deniss**; **Hinrikus, Hiie**; **Meigas, Kalju** IV International Workshop on Biosignal Interpretation : BSI2002, Como, Italy, 24th-26th June, 2002 : proceedings 2002 / p. 239-242 : ill

Negative correlation between functional connectivity and small-worldness in the alpha frequency band of a healthy brain
Päeske, Laura; **Hinrikus, Hiie**; **Lass, Jaanus**; **Raik, Jaan**; **Bachmann, Maie** Frontiers in Physiology 2020 / Art. nr. 910
https://doi.org/10.3389/fphys.2020.00910 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

New findings in modulated microwave effects on EEG
Lass, Jaanus; **Parts, Maie**; **Tuulik, Viiu**; **Hinrikus, Hiie** Medicon 2001 : IX Mediterranean Conference on Medical and Biological Engineering and Computing : June 12-15, 2001, Pula, Croatia : [proceedings]. Part II 2001 / p. 742-745 : ill

Non-contact measurement of skin vibrations induced by blood pressure
Meigas, Kalju; **Lass, Jaanus**; **Kattai, Rain** Automatika : ATKAAF 1999 / 1/2, p. 31-35 : ill

Noninvasive multiparameter registration system for evaluating physiological condition
Lass, Jaanus; **Meigas, Kalju**; **Hinrikus, Hiie**; Kaik, Jüri Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 4, p. 293-303: ill https://artiklid.elnet.ee/record=b1002531*est

Non-ionising radiation effects on brain electrical activity
Hinrikus, Hiie; **Lass, Jaanus**; **Meigas, Kalju**; **Riipulk, Jevgeni**; **Tuulik, Viiu** Physica medica 1999 / 3, p. 214

Non-linear analysis of the electro-encephalogram for detecting effects of low-level electromagnetic fields
Bachmann, Maie; **Kalda, Jaan**; **Lass, Jaanus**; **Tuulik, Viiu**; Säkki, Maksim; **Hinrikus, Hiie** Medical & biological engineering & computing 2005 / 1, p. 142-149 : ill https://link.springer.com/article/10.1007/BF02345136

Non-thermal effect of microwave radiation on human brain
Hinrikus, Hiie; **Bachmann, Maie**; **Tomson, Ruth**; **Lass, Jaanus** The environmentalist 2005 / 2/4, p. 187-194
https://www.researchgate.net/publication/227317313_Non-Thermal_Effect_of_Microwave_Radiation_on_Human_Brain

Optical and electrical methods for pulse wave transit time measurement and its correlation with arterial blood pressure
Lass, Jaanus; **Meigas, Kalju**; **Kattai, Rain**; **Karai, Deniss**; Kaik, Jüri; Rossmann, Mart Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 2, p. 123-136 : ill

Optical method for pulse wave velocity and pulse profile registration
Meigas, Kalju; **Hinrikus, Hiie**; **Kattai, Rain**; **Lass, Jaanus** Medical & biological engineering & computing 1999 / Suppl. 2, Proceedings of the European Medical & Biomedical Engineering Conference : EMBEC'99 : November 4-7, 1999, Vienna, Austria. Part 2, p. 924-925: ill

Optical self-mixing as a method for blood flow detection
Kattai, Rain; **Meigas, Kalju**; **Lass, Jaanus** Biomedical Engineering : proceedings of International Conference, Kaunas, 22-23 October, 1998 1998 / p. 5-8: ill

Optical Self-mixing in a diode laser as a method for no touch pulse measurement
Meigas, Kalju; **Hinrikus, Hiie**; **Lass, Jaanus**; **Kattai, Rain** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : final programme and abstracts of papers 1998 / p. 184

Optical Self-mixing in a diode laser as a method for no touch pulse measurement
Meigas, Kalju; **Hinrikus, Hiie**; **Lass, Jaanus**; **Kattai, Rain** VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [6] p. : ill

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

Parametric mechanism of excitation of the electroencephalographic rhythms by modulated microwave radiation
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus** International journal of radiation biology 2011 / p. 1077-1085 : ill
https://pubmed.ncbi.nlm.nih.gov/21913816/

Physiological signals system design for pacemaker adaptation
Meigas, Kalju; **Lass, Jaanus**; **Hinrikus, Hiie** 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on

Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 1996 / p. 5-6

Possible health effects on the human brain by various generations of mobile telecommunication: a review based estimation of 5G impact
Hinrikus, Hiie; **Koppel, Tarmo**; **Lass, Jaanus**; **Roosipuu, Priit**; **Bachmann, Maie** International Journal of Radiation Biology 2022 / p. 1210-1221 https://doi.org/10.1080/09553002.2022.2026516 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Power spectrum distinguishes the effect of microwave stimulation on human EEG at rest
Bachmann, Maie; Kalda, Jaan; **Lass, Jaanus**; **Tuulik, Viiu**; **Hinrikus, Hiie** Biological Effects of EMFs 3rd International Workshop : Kos, Greece, 4-8 October 2004 : proceedings. Volume 1 2004 / p. 75-80 : ill

Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia
Hinrikus, Hiie; **Meigas, Kalju**; **Lass, Jaanus**; **Riipulk, Jevgeni** 1999 https://www.ester.ee/record=b1292540*est

Propagation velocity in nerve fibre exposed microwave
Hinrikus, Hiie; **Lass, Jaanus**; **Tuulik, Viiu** EBEA 2003 : 6th International Congress of the European Bioelectromagnetics Association (EBEA) : 13-15 November 2003 : Budapest, Hungary : book of abstracts 2003 / p. 218

Pulse parameters registration using self-mixing in a diode laser as optical coherent method
Meigas, Kalju; **Kattai, Rain**; **Lass, Jaanus** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 93-96: ill

Pulse profile registration using self-mixing in diode laser
Meigas, Kalju; **Hinrikus, Hiie**; **Lass, Jaanus**; **Kattai, Rain** Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 20, no. 4, Biomedical Engineering Towards the Year 2000 and Beyond : Hong Kong SAR, China, October 29-November 1, 1998 1998 / p. 1875-1878 : ill

Pulse wave parameters as indicators of the state of the arteries
Hinrikus, Hiie; **Lass, Jaanus**; **Karai, Deniss**; **Tepner, Ingrid** Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 642-643

Pulse wave time delay for blood pressure monitoring
Meigas, Kalju; **Kattai, Rain**; **Lass, Jaanus** 12th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : 12NBC 2002, June 18th-22nd, Reykjavik, Iceland 2002 / p. 54-55 : ill

QT dispersion in relation to left ventricular geometry and hypertension in a population study
Pšenitšnikov, Igor; Shipilova, Tatjana; Kaik, Jüri; Volozh, Olga; Abina, Jelena; **Lass, Jaanus**; **Karai, Deniss** Scandinavian cardiovascular journal : SCJ 2003 / 2, p. 87-90

Quantative EEG for detection of the effect of low-level physical stressors
Parts, Maie; **Lass, Jaanus**; **Tuulik, Viiu**; **Hinrikus, Hiie** IV International Workshop on Biosignal Interpretation : BSI2002, Como, Italy, 24th-26th June, 2002 : proceedings 2002 / p. 339-342 : ill

Quasi-thermal effect of microwave radiation
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus** Biological Effects of EMFs 3rd International Workshop : Kos, Greece, 4-8 October 2004 : proceedings. Volume 1 2004 / p. 74

Recruitment gradation in SEMG as a basis for testing the fatigability of the muscles
Helemäe, Jana; **Tuulik, Viiu**; **Lass, Jaanus** 2001 Conference Proceedings of the 23rd Annual International Conference of theIEEE Engineering in Medicine and Biology Society : 25-28 October 2001, Istanbul, Turkey. Vol. 2 2001 / p. 1090-1092 : ill https://apps.dtic.mil/sti/tr/pdf/ADA409781.pdf

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-eeg-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

Reliability of electroencephalogram-based individual markers - case study
Uudeberg, Tuuli; **Päeske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; **Bachmann, Maie** 2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2020 / p. 276 - 279 https://doi.org/10.1109/EMBC44109.2020.9175274 Conference Proceedings at Scopus Article at Scopus Article at WOS

Reproducibility of non-invasive parameters which reflect cardiac ventricular repolarization prolongation and inhomogeneity

Kaik, Jüri; **Lass, Jaanus**; **Meigas, Kalju**; Kaik, Veera Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 230-231

Revealing small hidden changes in human EEG by Higuchi's fractal dimension
Bachmann, Maie; **Suhhova, Anna**; **Lass, Jaanus**; **Hinrikus, Hiie** Riga Technical University 53rd International Scientific Conference dedicated to the 150th anniversary and the 1st Congress of World Engineers and Riga Polytechnical Institute/RTU Alumni : 11-12 October 2012, Riga, Latvija : [abstracts] 2012 / p. 661 : ill https://link.springer.com/chapter/10.1007/978-3-642-34197-7_12

Revealing small hidden changes in human EEG by Higuchi's fractal dimension [Electronic resource]
Bachmann, Maie; **Suhhova, Anna**; **Lass, Jaanus**; **Hinrikus, Hiie** IFMBE proceedings ; Vol. 38 2013 / p. 47-50 : ill [CD-ROM] https://doi.org/10.1007/978-3-642-34197-7_12 Conference Proceedings at Scopus Article at Scopus

Self-mixing in a diode laser as a method for cardiovascular diagnostics
Meigas, Kalju; **Hinrikus, Hiie**; **Kattai, Rain**; **Lass, Jaanus** Journal of biomedical optics 2003 / 1, p. 152-160

Self-mixing in a diode laser as a method for coherent photodetection
Meigas, Kalju; **Hinrikus, Hiie**; **Lass, Jaanus**; **Kattai, Rain** Proceedings of the Estonian Academy of Sciences. Engineering 1998 / 4, p. 307-316

Sensitivity of human EEG to modulation frequency of microwave radiation [Electronic resource]
Tomson, Ruth; **Hinrikus, Hiie**; **Bachmann, Maie**; **Lass, Jaanus**; **Tuulik, Viiu** IFMBE proceedings 2005 / [5] p. [CD-ROM]

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

Simple laser-diode device for particles suspension flow detection
Kattai, Rain; **Meigas, Kalju**; **Lass, Jaanus** Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 313-314: ill

Simultaneous measurement of rate adaptive heart pacemaker sensing parameters
Lass, Jaanus; **Meigas, Kalju**; **Hinrikus, Hiie** 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 1996 / p. 7-8: ill

Single channel EEG analysis for detection of depression
Bachmann, Maie; **Lass, Jaanus**; **Hinrikus, Hiie** Biomedical signal processing and control 2017 / p. 391-397 : ill https://doi.org/10.1016/j.bspc.2016.09.010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Skin surface vibration measurement by optical self mixing in a diode laser
Meigas, Kalju; **Lass, Jaanus**; **Kattai, Rain** 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. 2.42-2.45: ill

Spectral asymmetry and Higuchi's fractal dimension measures of depression electroencephalogram
Bachmann, Maie; **Lass, Jaanus**; **Suhhova, Anna**; **Hinrikus, Hiie** Computational and Mathematical Methods in Medicine 2013 / art. 251638 https://doi.org/10.1155/2013/251638 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Stability of the relationship between pulse wave delay and arterial blood pressure
Hinrikus, Hiie; **Tepner, Ingrid**; **Lass, Jaanus**; **Karai, Deniss** 12th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : 12NBC 2002, June 18th-22nd, Reykjavik, Iceland 2002 / p. 22-23

Study of effects of low level microwave field by method of face masking
Rodina, Anastasia; **Lass, Jaanus**; **Riipulk, Jevgeni**; Bachmann, Talis; **Hinrikus, Hiie** Bioelectromagnetics 2005 / p. 571-577 https://pubmed.ncbi.nlm.nih.gov/16142782/

Study of effects of modulated microwaves by method of face masking
Rodina, Anastasia; **Lass, Jaanus**; Bachmann, T.; **Hinrikus, Hiie** Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 25, A New Beginning for Human Health : volume 4 of 4 : 17-21 September 2003, Cancun, Mexico 2003 / p. 3249-3252 https://ieeexplore.ieee.org/document/1280836

Study of effects of modulated microwaves on perceptual system of visual information processing
Lass, Jaanus; Rodina, Anastasia; Bachmann, T.; **Hinrikus, Hiie** Book of abstracts of 6th International Congress of the European Bioelectromagnetics Association : Budapest, Hungary, 2003 2003 / p. 84

System for simultaneous registration of different physiological parameters during exercise
Meigas, Kalju; **Lass, Jaanus**; **Hinrikus, Hiie** Measurement '97 : International Conference on Measurement, Smolenice, Slovak Republic, May 29-31, 1997 : proceedings 1997 / p. 242-245: ill

System of electrically measured physiological parameters for reconstruction of heart rate
Lass, Jaanus; **Meigas, Kalju**; **Hinrikus, Hiie**; Kaik, Jüri Proceedings of the 2nd International Conference on Bioelectromagnetism, 15-18 February 1998, Melbourne, Australia 1998 / p. 153-154: ill https://ieeexplore.ieee.org/document/666441

Tehnika elu kvaliteedi parandamiseks - biomeditsiinitehnika
Hinrikus, Hiie; **Lass, Jaanus**; **Lipping, Tarmo**; **Meigas, Kalju**; **Riipulk, Jevgeni** Teadusmõte Eestis : tehnikateadused 2002 / lk. 31-37 : ill

Temporal stability and correlation of EEG markers and depression questionnaires scores in healthy people
Põld, Toomas; **Päeske, Laura**; **Hinrikus, Hiie**; **Lass, Jaanus**; **Bachmann, Maie** Scientific reports 2023 / art. 21996
https://doi.org/10.1038/s41598-023-49237-4 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The effects of the 7Hz modulated microwaves on Human brain activity
Hinrikus, Hiie; **Lass, Jaanus**; **Parts, Maie**; **Ferenets, Rain**; **Tuulik, Viiu** 12th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : 12NBC 2002, June 18th-22nd, Reykjavik, Iceland 2002 / p. 138-139

The impact of the natural level of blood biochemicals on electroencephalographic markers in healthy people
Päeske, Laura; **Hinrikus, Hiie**; **Lass, Jaanus**; Põld, Toomas; **Bachmann, Maie** Sensors 2024 / art. 7438
https://doi.org/10.3390/s24237438 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

The new analysing method for the surface EMG data
Tuulik, Viiu; **Ferenets, Rain**; **Lass, Jaanus**; Vaht, Mai 3rd International Conference on Bioelectromagnetism and 1st Slovenian-Croatian Meeting on Biomedical Engineering : 8-12 October 2000, Bled, Slovenia : proceedings 2000 / p. 119-120 : ill

The new methods for the analyzing of surface EMG signals
Tuulik, Viiu; **Ferenets, Rain**; **Lass, Jaanus**; Helemäe, Jana 78th ICB Seminar : Warszaw, Poland, 2004 2004 / [7] p

The sensitivity of living tissue to microwave field
Lass, Jaanus; **Riipulk, Jevgeni**; **Hinrikus, Hiie** Proceedings of the 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Vol. 20, no. 6, Biomedical Engineering Towards the Year 2000 and Beyond, Hong Kong SAR, China, October 29-November 1, 1998 1998 / p. 3249-3252

Threshold of radiofrequency electromagnetic field effect on human brain
Hinrikus, Hiie; **Lass, Jaanus**; **Bachmann, Maie** International journal of radiation biology 2021 / p. 1505-1515 : ill
https://doi.org/10.1080/09553002.2021.1969055 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tootjaid on vähe, arendajaid veelgi vähem
Lass, Jaanus Inseneeria 2008 / 2, lk. 28-29 https://artiklid.elnet.ee/record=b2056368*est

Understanding physical mechanism of low-level microwave radiation effect
Hinrikus, Hiie; **Bachmann, Maie**; **Lass, Jaanus** International journal of radiation biology 2018 / p. 877–882 : ill
https://doi.org/10.1080/09553002.2018.1478158 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ventricular repolarization evaluation from surface ECG for identification of the patients with increased myocardial electrical instability
Lass, Jaanus; **Kaik, Jüri**; **Karai, Deniss**; Vainu, Meelis 2001 Conference Proceedings of the 23rd Annual International Conference of theIEEE Engineering in Medicine and Biology Society : 25-28 October 2001, Istanbul, Turkey. Vol. 1 2001 / p. 390-393 : ill
https://ieeexplore.ieee.org/document/1018943