

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

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](#)

Antennid ja ülikõrgsagedusseadmed : kursusetöö metoodiline juhend raadiotehnika eriala (0701) üliõpilastele

1985 https://www.ester.ee/record=b1207109*est

Antennid ja ülikõrgsagedusseadmed : laboratoorsed tööd erialale 0701 "Raadiotehnika"

1989 https://www.ester.ee/record=b1232345*est

Appi - kiirgus! : [intervjuu Hiie Hinrikusega]

Hinrikus, Hiie; Lill, Anne Linnaleht : TTÜ 2004 / 3. dets., lk. 7 : fot

Arst vajab tehnikat

Hinrikus, Hiie Eesti Päevaleht 1996 / 26. juuni, lk. 7

Assessment of objective symptoms of depression in occupational health examination

Pöld, 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](#)

Autasustati tudengeid : [Eesti üliõpilaste teadustööde riikliku konkursi võitjad : nimekiri ja kommentaar]

Hinrikus, Hiie Mente et Manu 2000 / 19. dets., lk. 3 https://www.ester.ee/record=b1242496*est

Baltic biomedical engineering and physics MSc courses

Auzinsh, Marcis; Spigulis, Janis; Dekhtyar, Yuri; Knets, I.; Katashev, A.; **Hinrikus, Hiie; Meigas, Kalju;** Kingisepp, Peet-Henn; Soosaar, Andres; Lukosevicius, A.; Öberg, Ake; Roberts, Colin; Tabakov, S.; Lee, J. 2000

Baltic MSc courses on medical physics and biomedical engineering

Auzinsh, Marcis; **Hinrikus, Hiie; Meigas, Kalju** International Conference on Medical Physics and Engineering in Health Care : Poznan, Poland, 2001 2001 / p. 037

Bioelektromagnetismist intensiivselt : [Tampere Tehnikaülikooli professori Jaako Malmivuo nädalasest intensiivkursusest TTÜs]

Hinrikus, Hiie Mente et Manu 2002 / lk. 4 : fot https://www.ester.ee/record=b1242496*est

Biomedical engineering - challenges in Europe. Report of the Session, Partnership for Health

Hinrikus, Hiie WHO Fifth fifth Session of the Regional Committee for Europe : Madrid, Spain, 2001 / p. 17-18

Biomedical engineering and medical physics education and professional accreditation in Estonia

Hinrikus, Hiie; Meigas, Kalju 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

Biomedical engineering and medical physics education in Estonia

Hinrikus, Hiie; Meigas, Kalju 12th Nordic Baltic Conference on Biomedical Engineering and Medical Physics : 12NBC 2002, June 18th-22nd, Reykjavik, Iceland 2002 / p. 110-111

Biomedical engineering education and professional accreditation in Estonia

Hinrikus, Hiie; Lipping, Tarmo; Meigas, Kalju Proceedings of 2nd European Medical & Biological Engineering Conference EMBEC'02. 1 2002 / p. 682-683

Biomedical engineering education and professional accreditation in Estonia

Meigas, Kalju; 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. 146-148

Biomedical engineering education in Estonia

Hinrikus, Hiie Model based biomeasurements : proceedings of the 7th International IMEKO TC-13 Conference on Measurement in Clinical Medicine, Stara Lesna, Slovakia, September 6-9, 1995 1995 / p. 429-431

Biomedical engineering in Tallinn Technical University

Hinrikus, Hiie BEC : Baltic Electronics Conference : proceedings of the 4th Biennial Conference, October 9-14, 1994, Tallinn (Estonia). 2 1994 / p. 603-611 https://www.ester.ee/record=b2150914*est

Biomeditsiin on teaduse kuum sõna : Hiie Hinrikus eelseisvast Põhja- ja Baltimaade Biomeditsiinitehnika konverentsist
Hinrikus, Hiie; Üts, Juta Terviseleht 1999 / 19. mai, lk. 3

Biomeditsiinitehnika - teaduse, looduse ja tehnika ühendus

Hinrikus, Hiie Insenerikultuur Eestis. 2 1995 / lk. 30-36 https://www.ester.ee/record=b1063622*est

Biomeditsiinitehnika - tehnoloogia tervise heaks

Hinrikus, Hiie; Bachmann, Maie; Pilt, Kristjan; Meigas, Kalju; Fridolin, Ivo Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 48-58 : ill https://www.ester.ee/record=b5208765*est

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

Brain functional connectivity in depression : gender differences in EEG

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Hinrikus, Hiie; Järvelaid, Mari 2016 IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES) : Kuala Lumpur, 4-8 December 2016 2016 / p. 270-273 : ill
<https://doi.org/10.1109/IECBES.2016.7843456>

Brain stimulation by modulated microwave radiation: a feasibility study

Bachmann, Maie; Bachmann, Jaanus; Ioannides, Andreas A.; Hinrikus, Hiie 2018 EMF-Med 1st World Conference on Biomedical Applications of Electromagnetic Fields (EMF-Med), 10-13 Sept. 2018 2018 / 2 p
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8526055&tag=1>

Calculation of microwave radiometric signal in multilayered biological tissue

Hinrikus, Hiie; Krasavin, Jevgeni; Beilenhoff, Klaus; Hartnagel, Hans 1995 IEEE Engineering in Medicine and Biology 17th Annual Conference and 21st Canadian Medical and Biological Engineering Conference. Volume Two. Montreal, Canada, September 20-23, 1995 1997 / 1583-1584

Calculation of microwave radiometric signals in a lossy biological tissue

Hinrikus, Hiie Tallinna Tehnikaülikooli Toimetised 1994 / lk. 68-81: ill

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, Viu 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 EEG measures of a recipient of the mRNA COVID-19 vaccine - a case study

Uudeberg, Tuuli; Hinrikus, Hiie; Päeske, Laura; Lass, Jaanus; Bachmann, Maie 2022 44th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2022 / p. 3702-3705 <https://doi.org/10.1109/EMBC48229.2022.9871524>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Changes in human EEG caused by low level modulated microwave stimulation

Hinrikus, Hiie; Parts, Maie; Lass, Jaanus; Tuulik, Viu 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

Coherent photodetection with a laser

Meigas, Kalju 1997 https://www.ester.ee/record=b1059446*est

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 ECG QT interval and monomorphic action potential duration dynamicity at heart rate variations

Meigas, Kalju; Hinrikus, Hiie 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. 435

Comparison of photic and microwave simulation effects on EEG

Hinrikus, Hiie; Parts, Maie; Lass, Jaanus; Tuulik, Viu Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 482-489 : ill

Correlation between EEG functional connectivity and fasting blood glucose in healthy subjects

Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Pöld, 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

Department of Radio and Communication Engineering

Hinrikus, Hiie; Schults, Eduard; Arro, Ilmar; Heinrichsen, Vladimir Research activities / Tallinn Technical University 1993 / p. 82-84 https://www.ester.ee/record=b1053754*est

Dependence of the EEG nonlinear coupling on the frequency bands and the segment lengths

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Järveld, Mari; **Raik, Jaan; 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. 799-802 https://doi.org/10.1007/978-981-10-5122-7_200 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design of microwave radiometer for early detection of cancer

Hinrikus, Hiie; Riipulk, Jevgeni; Põdra, Harri Physica medica 1996 / 3, p. 181

Design of microwave radiometer for early detection of cancer

Riipulk, Jevgeni; Hinrikus, Hiie; Põdra, Harri Physica medica 1997 / 1, p. 1-2: ill

Detection and interpretation of low-level stressor effects on brain using complex methods

Lass, Jaanus; Ferenets, Rain; Riisalu, R.; Tuulik, Viuu; Hinrikus, Hiie Workshop on Biomedical Information Engineering : 25-27 June, 2000, Istanbul - Turkey : proceedings 2000 / p. 235-238 : ill

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

Suhhova, Anna 2012

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 functional connectivity detects seasonal changes

Päeske, Laura; Bachmann, Maie; Raik, Jaan; Hinrikus, Hiie World Congress on Medical Physics and Biomedical Engineering 2018 : June 3–8, 2018, Prague, Czech Republic (Vol. 2) 2018 / p. 237-240 https://doi.org/10.1007/978-981-10-9038-7_44 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

EEG spectral asymmetry index detects differences between leaders and non-leaders

Pöld, 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; Adamsoo, 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

Pöld, 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

Hinrikus, Hiie 10 aastat Eesti Inseneride Liitu : 1988-1998 1998 / lk. 17-18

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 Ühingu = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics 2024 / lk. 13-15, p. 13-15 : ill

Eesti biomeditsiinitehnika teadusprogramm

Hinrikus, Hiie Eesti teadlaste kongress, 11.-15. augustini 1996. a. Tallinnas : ettekannete kokkuvõtted 1996 / lk. 245 https://www.ester.ee/record=b1052731*est

Effect of 450 MHz microwave modulated with 217 Hz on human EEG in rest

Bachmann, Maie; Säkki, Maksim; Kalda, Jaan; Lass, Jaanus; Tuulik, Viuu; Hinrikus, Hiie The environmentalist 2005 / 2/4, p. 165-171

Effect of coffee on EEG spectral assymetry

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 ventricular 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, Viuu Estonian journal of engineering 2008 / 2, p. 91-106 : ill

Effect of modulated microwave radiation on human resting electroencephalographic signal = Moduleeritud mikrolaineikiirguse mõju inimese puhkeoleku elektroentsefalograafilisele signaalile
Bachmann, Maie 2008 http://www.ester.ee/record=b2373842*est

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, Viuu 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, Viuu; 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

Electromagnetic fields in biology and medicine
2018 <https://www.tandfonline.com/toc/irab20/94/10?nav=toCList>

Electromagnetic radiation interaction with human being
Riipulk, Jevgeni; Hinrikus, Hiie 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and Biomechanic Measurements, June 13-15, 1996, Tallinn, Estonia 1996 / p. 14-19

Elektrodünaamika : laboratoorsed tööd
1978 https://www.ester.ee/record=b1305779*est

Elektrodünaamika : laboratoorsed tööd
1971 https://www.ester.ee/record=b1331653*est

Elektrodünaamika : loengukonspekt
Hinrikus, Hiie 1975 https://www.ester.ee/record=b1309905*est

Elektromagnetkiirgus mõjub tervisele : [ka uuringutest TTÜs]
Hinrikus, Hiie Eesti Töötervishoid 2009 / 1, lk. 27-30

Elektromagnetväljad biomeditsiinitehnikas : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööle
Hinrikus, Hiie Tallinna Tehnikaülikooli aastaraamat 1999 2000 / lk. 131-135

Elu elektromagnetväljades on paratamatu : [oma uurimistööd kommenteerib TTÜ biomeditsiinitehnika keskuse erakorraline vanemteadur Hiie Hinrikus]
Maltseva, Ada; **Hinrikus, Hiie** Linnaleht 2006 / 19. apr., lk. 16

Elust ja armastusest : mõttekilde, mälestusi, filosoofilist targutamist : (mitte)akadeemiline loeng 2. novembril 2004 TTÜs
Hinrikus, Hiie Tallinna Tehnikaülikooli aastaraamat 2004 2005 / lk. 318-326

EMF as a low-level physical stressor
Lass, Jaanus; Tuulik, Viuu; 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, Viuu; 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

EMF regulations and research in Estonia
Hinrikus, Hiie International Conference on Electromagnetic Fields : From Bioeffects to Legislation : abstract book : 8 and 9 November 2004, Ljubljana - Slovenia 2004 / p. 26-27

Estonian programme on biomedical engineering
Hinrikus, Hiie 10th Nordic-Baltic Conference on Biomedical Engineering. Satellite Symposium on Bioelectromagnetic and

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

Foreword

Hinrikus, Hiie Estonian journal of engineering 2008 / 2, p. 89

Foreword : 10th anniversary of the Biomedical Engineering Centre of the Tallinn University of Technology and of the Estonian Society for Biomedical Engineering and Medical Physics

Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 2, p. 67-68

Füsioloogiliste signaalide süsteem sagedusadaptiivse südamestimulaatori tüürimiseks : magistritöö

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

He-Ne laseril töötav sidesüsteem

Hinrikus, Hiie; Uusmaa, P.; Süvala, R. Side. Raadio. Televisioon : infoseeria 10 1974 / lk. 19-22 : ill

https://www.ester.ee/record=b1232303*est

Hetked ja aastad

Hinrikus, Hiie 2014 https://www.ester.ee/record=b4431974*est

High-sensitive compact laser device for moving particle registration

Hinrikus, Hiie; Meigas, Kalju Laser optics 93 : summaries of papers, St.Petersburg, June 21-25, 1993 1993

Higuchi's fractal dimension for analysis of the effect of microwave exposure in depression

Bachmann, Maie; Suhhova, Anna; Lass, Jaanus; Adamsoo, Kaire; Vöhma, Ülle; **Hinrikus, Hiie** Proceedings : 7th International Workshop on Biological Effects of Electromagnetic Field : October 2012 (Malta) 2012 / 4 p. : ill

Hiie Hinrikus: tunnen end tühjana, kui ei ole probleemi, mille üle mõelda

Hinrikus, Hiie Mente et Manu 2025 / lk. 12-13 : fot https://www.ester.ee/record=b1242496*est

Iisrael - töötatud maa, püha maa, unistuste maa

Hinrikus, Hiie Horisont 1996 / 6, lk. 41-44: ill https://artiklid.elnet.ee/record=b2034194*est

Individual stability of single-channel EEG measures over one year in healthy adults

Uudeberg, Tuuli; Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Põld, Toomas; Bachmann, Maie Scientific Reports 2025 / art. 28426 <https://doi.org/10.1038/s41598-025-13614-y>

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

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

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

Inseneriasjandus või insenerindus? : repliik

Hinrikus, Hiie Mente et Manu 2006 / 10. mai, lk. 2 https://www.ester.ee/record=b1242496*est

Instituudi lugu läbi aegade = The story of the Department over the years

Hinrikus, Hiie; Meigas, Kalju Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiate instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinifüüsika Ühingu = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics 2024 / lk. 5-11, p. 5-11 : ill

Interaction of low-level microwave radiation with nervous system - a quasi-thermal effect?

Hinrikus, Hiie; Lass, Jaanus; Tuulik, Viu Proceedings of the Estonian Academy of Sciences. Engineering 2004 / 2, p. 82-94

Interpretation of radio metric signal for tumour detection

Riipulk, Jevgeni; Hinrikus, Hiie 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. 165 <https://ieeexplore.ieee.org/abstract/document/756838>

Interpretation of radiometric signal for tumor detection

Riipulk, Jevgeni; Hinrikus, Hiie 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. 2509-2511: ill

Joint Baltic Biomedical Engineering and Physics Courses

Dekhtyar, Yuri; **Hinrikus, Hiie; Meigas, Kalju** Physica medica 1999 / 3, p. 216

Joint Baltic biomedical engineering and physics courses

Dekhtyar, Yuri; **Hinrikus, Hiie**; Katashev, Alexei; Kingisepp, Peet-Henn; Lukosevicius, Arunas; **Meigas, Kalju**; Öberg, Ake; Soosaar, Andres; Spigulis, Janis; Tabakov, Slavik Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 144-145

Juttu kassiga, kes kõnnib omapead ehk raadiofüüsik biomeditsiinitehnikas : [vestlus Hiie Hinrikusega]

Hinrikus, Hiie; Veskimäe, Rein Horisont 2000 / 3, lk. 12-17 : fot https://artiklid.elnet.ee/record=b1004292*est

Kaasaegne meditsiin vajab üha enam arsti kõrvale inseneri

delfi.ee 2024 [Kaasaegne meditsiin vajab üha enam arsti kõrvale inseneri](#)

Kaasaegsed atmosfäärsed lasersideliniid

Hinrikus, Hiie Side. Raadio. Televisioon : infoseeria 10 1975 / lk. 8-11 https://www.ester.ee/record=b1232303*est

80-aastane Tallinna Tehnikaülikool 80-aastases Eesti Vabariigis : [kõne ülikooli nõukogu pidulikul istungil]

Hinrikus, Hiie Tehnikaülikool 1998 / 21. sept., lk. 4-6: ill https://www.ester.ee/record=b5309277*est

80-aastane Tallinna Tehnikaülikool 80-aastases Eesti Vabariigis : [päevakõne TTÜ nõukogu pidulikul istungil]

Hinrikus, Hiie Tallinna Tehnikaülikooli kaheksakümnes aastapäev 2000 / lk. 19-24

Keegi ei tea, kui kahjulik on mobiiltelefon : [TTÜ biomeditsiinitehnika keskus teatud katsete tulemusi tutvustab Hiie Hinrikus]

Hinrikus, Hiie; Naulainen, Anti SL Õhtuleht 2001 / 19. jaan., lk. 10

Kiirgus infokandjana universumist rakuni

Hinrikus, Hiie Insenerikultuur Eestis. 3 1997 / lk. 35-42 https://www.ester.ee/record=b1063622*est

Kuidas mõjub kiirgus tervisele?

Põld, Merit harjuelu.ee 2023 [Kuidas mõjub kiirgus tervisele?](#)

Kuidas vähendada kodus elektromagnetvälja mõju?

Kenk, Kaire; **Koppel, Tarmo; Hinrikus, Hiie** Naised 2016 / lk. 28-29 : ill

Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis

Kulbach, Valdek; **Hinrikus, Hiie**; Järvik, Jaan; Kanasaar, Eduard; Kilk, Aleksander; Metusala, Tiit; Mägi, Vahur; Tamm, Uljas; Tapupere, Olev; Tiismus, Hugo; Ubar, Raimund-Johannes; Velme, Enn 1988 https://www.ester.ee/record=b1243393*est

Kõrv kikkis või hoopis sarvekesed peas : [elektromagnetvälja mõjust inimese närvisüsteemile : intervjuu Hiie Hinrikusega]

Hinrikus, Hiie; Ummelas, Mart Mente et Manu 2001 / 6. veebr., lk. 3 : fot https://www.ester.ee/record=b1242496*est

Laser doppler device for air pollution detection

Hinrikus, Hiie; Meigas, Kalju Proceedings of European Symposium on Optics for Productivity in Manufacturing, 20-24 June 1994, Frankfurt/Main, FR Germany 1994 / p. 38-47

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

Laseri tänapäev ja tulevik

Hinrikus, Hiie Kalender 1987 1986 / lk. 158-162 https://www.ester.ee/record=b1316711*est

Laserite kasutamine infoedastus- ja mõõtesüsteemides

Hinrikus, Hiie Tallinna Tehnikaülikooli Toimetised 1991 / lk. 32-50

Laserkiire levitingimused Tallinnas

Hinrikus, Hiie Side. Raadio. Televisioon : infoseeria 10 1973 / lk. 8-13 : ill https://www.ester.ee/record=b1232303*est

Laserside trassid

Hinrikus, Hiie Side. Raadio. Televisioon : infoseeria 10 1972 / lk. 6-11 : ill https://www.ester.ee/record=b1232303*est

Lasersideliinide vastuvõtjad

Hinrikus, Hiie Side. Raadio. Televisioon : infoseeria 10 1973 / lk. 12-16 : ill https://www.ester.ee/record=b1232303*est

Lasersidesüsteemide potentsiaalsed võimalused

Hinrikus, Hiie Side. Raadio. Televisioon : infoseeria 10 1975 / lk. 12-14 https://www.ester.ee/record=b1232303*est

Lasertehnika

Hinrikus, Hiie Tallinna Polütehnik 1987 / lk. [2] <https://digikogu.taltech.ee/et/Item/ecb9690a-69df-4903-bc42-f94c9a379d40>
https://www.ester.ee/record=b1254708*est

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](#)

Leo Mõtus 60

Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences. Engineering 2001 / p. 354-355 : fot

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](#)

Living cell as a receiver of microwave radiation

Hinrikus, Hiie; Riipulk, Jevgeni Proceedings of the Estonian Academy of Sciences. Engineering 1999 / 4, p. 260-269
https://artiklid.elnet.ee/record=b1002528*est

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 interaction with nervous system

Hinrikus, Hiie; Riipulk, Jevgeni; Tuulik, Viuu Physica medica 1996 / 3, p. 162

Low-level microwave effect on nerve pulse propagation velocity

Hinrikus, Hiie; Lass, Jaanus; Tuulik, Viuu 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, Viuu 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, Viuu; 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-eeq-alpha-and-theta-waves>

Low-level microwave effects on nervous system

Hinrikus, Hiie; Lass, Jaanus; Meigas, Kalju; Tuulik, Viuu Biological Effects of EMFs : Heraklio, Crete, Greece 17-20 October, 2000 : proceedings 2000 / p. 320-329 : ill

Low-level microwave field effects on living systems

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. 45-49

Low-level microwave radiation effect on nerve pulse conduction velocity

Hinrikus, Hiie; Tomson, Ruth; Lass, Jaanus; Karai, Deniss; Kalda, Jaak; Tuulik, Viuu 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 on EEG alpha-wave

Parts, Maie; Lass, Jaanus; Tuulik, Viuu; Hinrikus, Hiie Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 490-494 : ill

Mapping of microwave radiation of tissues for exploration of breast tumors

Riipulk, Jevgeni; Hinrikus, Hiie Proceedings of the 2nd International Conference on Bioelectromagnetism, 15-18 February 1998, Melbourne, Australia 1998 / p. 21-22: ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=666375>

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>

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

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](#)

Medical physics in joint Baltic courses

Hinrikus, Hiie; Dekhtyar, Yuri; Lukosevicius, Arunas; Meigas, Kalju; Öberg, Ake; Riipulk, Jevgeni; Roberts, Colin; Tabakov, Slavik Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 159-160

Medical technology transfer from Tallinn Technical University

Hinrikus, Hiie EU-Symposium : Medical Technology Network in the Baltic Region 1994 / p. 133-145

Meditsiinitehnika - terviseinseneering

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

Meditsiinitehnika ja -füüsika magistriõpe = Medical Technology and Physics Master studies

Hinrikus, Hiie; Nazarenko, Sergei; Fomina, Jelena Tervisetehnoloogiad eile, täna, homme : 30 aastat Tervisetehnoloogiate instituuti ning Eesti Biomeditsiinitehnika ja Meditsiinfüüsika Ühingu = Health technologies yesterday, today and tomorrow : 30 years of the Department of Health Technologies and the Estonian Society for Biomedical Engineering and Medical Physics 2024 / lk. 23-26, p. 23-26 : ill

Method for early detection of cancer by microwave radiometer

Riipulk, Jevgeni; Hinrikus, Hiie 4th European Conference on Engineering and Medicine "Bridging East and West", Warsaw, Poland, May 25-28, 1997 : book of abstracts 1997 / p. 191

Method for testing the brain

Hinrikus, Hiie; Bachmann, Maie; Lass, Jaanus; Tuulik, Viuu; 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

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 antenna of thermal radiometer for medical diagnostics

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

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, Viu 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/>

Microwave radiometric Input Transfer Function in multilayered biological tissue

Hinrikus, Hiie; Krasavin, Jevgeni; Beilenhoff, Klaus; Hartnagel, Hans MEDICON'95 : VII Mediterranean Conference on Medical & Biological Engineering (IFMBE) : conference abstracts, Jerusalem, Israel, 17-21 September, 1995 1995 / p. 90: ill

Microwave radiometric system for exploration of breast cancer tumors

Riipulk, Jevgeni; Hinrikus, Hiie 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. 358

Microwave radiometry for cancer detection

Hinrikus, Hiie; Krasavin, Jevgeni; Põdra, Harri Model based biomeasurements : proceedings of the 7th International IMEKO TC-13 Conference on Measurement in Clinical Medicine, Stara Lesna, Slovakia, September 6-9, 1995 1995 / p. 221-225: ill

Microwave radiometry for medical applications

Riipulk, Jevgeni; 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. 99-102: ill

Microwave radiometry for medical applications

Riipulk, Jevgeni 2000 http://www.ester.ee/record=b1416062*est

Mida tähendab meile mess "Innovaatika 99"? : [messist ja TTÜ eksponaatidest : tutvustavad Kiira Parre, Hiie Hinrikus, Priit Kulu, Andres Taklaja, Raivo Vokk, Rein Küttner]

Parre, Kiira; Hinrikus, Hiie; Kulu, Priit; Taklaja, Andres; Vokk, Raivo; Küttner, Rein; Vähi, Kersti Tehnikaülikool 1999 / 5. apr., lk. 1-3: fot

Mikrolaine radiomeeter : [vestlus H.Hinrikusega]

Hinrikus, Hiie; Üts, Juta Terviseleht 1998 / 30. sept., lk. 7: ill

Mobiil hakkab ajudele : [Hiie Hinrikuse ja Jaanus Lassi kommentaaridega]

Hinrikus, Hiie; Lass, Jaanus Põhjarannik 2005 / 26. veebr., lk. 5

Mobiili kiirus rikub tervist, kuid ka vähirakku : [vestlus Hiie Hinrikusega]

Hinrikus, Hiie; Alasoo, Annika Postimees 1999 / 14. juuni, lk. 5

Mobiilikiirus mõjutab enim lapsi : [ka TTÜ biomeditsiinitehnika keskuse vanemteaduri H.Hinrikuse kommentaariga mobiilikiirguse uurimisest TTÜs]

Tihhonov, Marek; Hinrikus, Hiie Postimees 2005 / 27. aug., lk. 17

Mobiiltelefonide kahjulikkust pole suudetud ametlikult tõestada: [Hiie Hinrikuse ja Jaanus Lassi seisukohtadest seminaril Tartus]

Karuse, Kaupo; Hinrikus, Hiie; Lass, Jaanus Pärnu Postimees 1999 / 8. det., 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, Viuu; 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, Viuu; 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

Modulated microwave effects on the nervous system

Hinrikus, Hiie; Riipulk, Jevgeni Medical & biological engineering & computing : journal of the International Federation for Medical & Biological Engineering. Part 2, Proceedings of the 1st International Conference on Bioelectromagnetism 1996 / p. 129-130
https://www.ester.ee/record=b1292531*est

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

Moving particles laser detector

Hinrikus, Hiie; Meigas, Kalju 19 convention on radio science : abstracts 1993

Mugav elu mikrolainetes : [küsimustele vastab Hiie Hinrikus]

Ende, Üllar; **Hinrikus, Hiie** Kodutohter 2005 / 3, lk. 20-23 : fot https://artiklid.elnet.ee/record=b2038434*est

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, Viuu; 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

Nimelugu

Hinrikus, Hiie Õhtuleht 1997 / lk. 2: 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, Viuu 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, Viuu; 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

Ohtlik või ohutu? : [mikrolainekiirguse mõju] kommenteerib Hiie Hinrikus

Hinrikus, Hiie Marie Claire 2010 / 3, lk. 63

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 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

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/>

Performance and optimization of Gunn self-oscillating mixer

Krasavin, Jevgeni; Hinrikus, Hiie IEEE microwave and guided wave letters 1995 / 6, p. 177-179: ill

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, Viie; 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

Proceedings of the Estonian Academy of Sciences. Engineering = Eesti Teaduste Akadeemia toimetised. Tehnikateadused. Special issue on biomedical engineering

2004 http://www.ester.ee/record=b1072102*est

Professor Hiie Hinrikuse kõne "80-aastane Tallinna Tehnikaülikool 80-aastases Eesti Vabariigis" : [TTÜ nõukogu pidulikult istungil, 17. sept. 1998]

Hinrikus, Hiie Tallinna Tehnikaülikooli aastaraamat 1998 1999 / lk. 16-21

Projektist "Sanguine"

Hinrikus, Hiie Horisont 1970 / lk. 70-71 https://www.ester.ee/record=b1072243*est

Propagation velocity in nerve fibre exposed microwave

Hinrikus, Hiie; Lass, Jaanus; Tuulik, Viie EBEA 2003 : 6th International Congress of the European Bioelectromagnetics Association (EBEA) : 13-15 November 2003 : Budapest, Hungary : book of abstracts 2003 / p. 218

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

Quantative EEG for detection of the effect of low-level physical stressors

Parts, Maie; Lass, Jaanus; Tuulik, Viie; 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

Raadio- ja sidetehnika instituut

Heinrichsen, Vladimir; Hinrikus, Hiie; Schults, Eduard Teadustegevus / TTÜ 1993 / lk. 87-90

Raadiofüüsika professor: 5G peatamise asemel võiks Eesti karmistada elektromagnetkiirguse piirnorme

Hinrikus, Hiie Eesti Päevaleht 2019 <https://epl.delfi.ee/arvamus/raadiofuusika-professor-5g-peatamise-ase-est-kiirguse-piirnorme?id=86523935>

Radiometric system for detection of cancer

Riipulk, Jevgeni; Hinrikus, Hiie EU-Symposium on New Technologies in Medicine, Warsaw, May 25, 1997 1997 / p. 119-129: ill

Radiometric system for preliminary detection of tumors

Hinrikus, Hiie; Riipulk, Jevgeni 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

Radiometric system for preliminary detection of tumors

Hinrikus, Hiie; Riipulk, Jevgeni 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. 93

Real-time recognition of ECG by using powerful information and communication technology for intelligent monitoring of risk patients

Roscher, G.; Brattstström, A.; Cho, S.; Francesconi, F.; **Hinrikus, Hiie**; Mauser, R.; Packianather, M.; Pogarzeba, G.; Yankovskaya, A.; Zvegintsev, V. Proceedings MICRO.tec 2000 : Applications, Trends, Visions : VDE World Micro-technologies Congress : Hannover, Germany, June 2000. Volume 2 2000 / p. 759-762

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

Vihmaru, Merilin; Päeske, Laura; Hinrikus, Hiie; Lass, Jaanus; Pöld, 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-ecg-and-heart-rate-variation-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](#)

Resting EEG functional connectivity and graph theoretical measures for discrimination of depression

Orgo, Laura; Bachmann, Maie; Kalev, Kaia; Järveld, Mari; Raik, Jaan; Hinrikus, Hiie 4th IEEE EMBS International Conference on Biomedical and Health Informatics, BHI 2017 : Orlando, Florida, USA, 16-19 February 2017 2017 / p. 389-392 : ill <https://doi.org/10.1109/BHI.2017.7897287>

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, Latvia : [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](#)

Rhodose saarel elektromagnetväljade bioloogilist mõju arutamas : [kongressimuljeid]

Hinrikus, Hiie Tallinna Tehnikaülikooli aastaraamat 2002 2003 / lk. 315-319

Riskantne valimine : [mobiiltelefoni ohte tervisele kommenteerib Hiie Hinrikus]

Hinrikus, Hiie Tervis Pluss 2003 / 1, lk. 47

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

Self-modulated Gunn diode self-oscillating mixer

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

Sensitivity of human EEG to modulation frequency of microwave radiation [Electronic resource]

Tomson, Ruth; Hinrikus, Hiie; Bachmann, Maie; Lass, Jaanus; Tuulik, Viuu IFMBE proceedings 2005 / [5] p. [CD-ROM]

Sensitivity of microwave radiometer for tissue screening

Hinrikus, Hiie; Riipulk, Jevgeni; Neemela, Tarmo; Põdra, Harri Proceedings of the Estonian Academy of Sciences. Engineering

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 and microwave devices for moving objects measurement

Hinrikus, Hiie; Krasavin, Jevgeni; Meigas, Kalju Proceedings of 8. Symposium Maritime Elektronik, Apr. 1995, Rostock 1995 / p. 53-56: ill

Simulation of breast tissues temperature measurement using Dicke radiometer by FDTD method

Riipulk, Jevgeni; Hinrikus, Hiie; Beilenhoff, Klaus; Hartnagel, Hans Medical & biological engineering & computing : journal of the International Federation for Medical & Biological Engineering. Part 2, Proceedings of the 1st International Conference on Bioelectromagnetism 1996 / p. 135-136: ill https://www.ester.ee/record=b1292531*est

Simulation of microwave radiometric temperature measurement inside biological tissues using FDTD method

Riipulk, Jevgeni; Hinrikus, Hiie; Beilenhoff, Klaus; Hartnagel, Hans EBEA Nancy'96, February 29 - March 3, 1996 : Third International Congress of the European Bio-Electromagnetics Association : abstract book 1996 / [1] p.: 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](#)

Special Issue : Electromagnetic fields in biology and medicine

Hinrikus, Hiie; Karpowicz, Jolanta; Naarala, Jonne International journal of radiation biology 2018 / p. 873-876
<https://doi.org/10.1080/09553002.2018.1533359> <https://doi.org/10.1080/09553002.2018.1540815> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 human perception of visual information

Rodina, Anastasia; Riipulk, Jevgeni; Hinrikus, Hiie Biological Effects of EMFs : 2nd International Workshop, Rhodes, Greece, 7-11 October 2002 : proceedings. Volume I 2002 / p. 478-481 : ill

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

Suguvõsa ema professor Hiie : [vestlus Hiie Hinrikusega]

Hinrikus, Hiie; Ende, Üllar Kodukolle 2001 / 3, lk. 8-10 : fot

Surrogate data method requires end-matched segmentation of electroencephalographic signals to estimate non-linearity
Päeske, Laura; Bachmann, Maie; Pöld, Toomas; Oliveira, Sara Pereira Mendes de; Lass, Jaanus; **Raik, Jaan; Hinrikus, Hiie**
Frontiers in physiology 2018 / 1350 ; 9 p. : ill <https://doi.org/10.3389/FPHYS.2018.01350> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

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>

Tallinna Tehnikaülikooli professorid läbi aegade : [professorite elulood]

2008 https://www.ester.ee/record=b2404266*est

Teadlased: praegune 5G on sama ohtlik kui wifi. Tulevikus võib olla teisiti : Riigikogu sotsiaalkomisjon hakkab homme arutama juba teist rahvaalgatust, mis üritab tõrjuda 5G-d

Parksepp, Anette Eesti Päevaleht 2020 / Lk. 4-5 : ill https://www.ester.ee/record=b1072079*est

Teaduspreemia biomeditsiinitehnikale : [tänuõnad riikliku teaduspreemia saamise puhul]

Hinrikus, Hiie Tehnikaülikool 2000 / 20. märts, lk. 12-14 : portr https://www.ester.ee/record=b5309277*est

Teaduspreemia tehnikateaduste alal 1996. - 1999. aasta publikatsioonide tsükli "Elektromagnetväljad biomeditsiinitehnikas" eest

Hinrikus, Hiie Eesti Vabariigi teaduspreemiad 2000 2000 / lk. 28-33 : portr

Tehnika elu kvaliteedi parandamiseks - biomeditsiinitehnika

Hinrikus, Hiie; Lass, Jaanus; Lipping, Tarmo; Meigas, Kalju; Riipulk, Jevgeni Teadusmõtte Eestis : tehnikateadused 2002 / lk. 31-37 : ill

Tehnikateadused. Biomeditsiinitehnika

Hinrikus, Hiie Eesti entsüklopeedia. 11, Eesti üld 2002 / lk. 500

Tehnikaülikool biomeditsiinitehnika maailmakaardil : [valdkondlik arutelu]

Hinrikus, Hiie; Meigas, Kalju; Kalda, Jaan; Nigul, Priit; Paats, Andrus Tallinna Tehnikaülikooli kaheksakümnes aastapäev 2000 / lk. 70-80

Tehnikaülikooli professor: mobiiltelefon kahjustab mälu : [kokkuvõtte Hiie Hinrikuse seisukohtadest]

Hinrikus, Hiie Meie Kodu : [Austraalia ajaleht] 2001 / 24. jaan., lk. 6

Temporal stability and correlation of EEG markers and depression questionnaires scores in healthy people

Pöld, 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, Viuu 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; Pöld, 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 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](#)

TTÜ Tehnomeedikum. Biomeditsiinitehnika instituut

Hinrikus, Hiie; Meigas, Kalju Leiutajaid ja leiutisi Tallinna Tehnikaülikoolis 1922-2007 2008 / lk. 92-96 : ill

https://www.ester.ee/record=b2412718*est

Tundmatu kiirgus meie taskus ja ajus. Mobiiltelefon : suhtlemise abivahend või hirmsate haiguste allikas? : [Hiie Hinrikuse kommentaariga]

Pass, Kadri SL Õhtuleht 2004 / 16. nov., lk. 10 <https://www.oh tuleht.ee/165522/tundmatu-kiirgus-meie-taskus-ja-ajus>

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

Uued maad biomeditsiinitehnika kaardil

Hinrikus, Hiie Tallinna Tehnikaülikooli aastaraamat 1996 1997 / lk. 186-189

Varkja ilmaradar tooks kaasa pöördumatu tervisekahju

Kukkela, Anti saartehaal.postimees.ee 2024 [Varkja ilmaradar tooks kaasa pöördumatu tervisekahju](#)

Waves, oscillations and optics in biomedical engineering : research in the Department of Biomedical Engineering 1994-2014

Hinrikus, Hiie Proceedings of the Estonian Academy of Sciences 2014 / p. 200-210 : phot https://artiklid.elnet.ee/record=b2680530*est

Vähiuurimisaparaat säästab haige tervist : innovaatikamess esitles mittekiirgavat radiomeetrit : [väljapanekuid tutvustavad Hiie Hinrikus, Deniss Karai ja Arved Vain]

Hinrikus, Hiie; Karai, Deniss; Vain, Arved; Väre, Hans Eesti Päevaleht 1999 / 9. apr., lk. 5

Üks soov : [autori arvates Tallinna Tehnikaülikoolis juurdepääs erialasele teadusajakirjandusele Internetis võiks parem olla]

Hinrikus, Hiie Avaja 2003 / 18. dets., lk. 2 : portr

Ülikõrgsagedusseadmed : laboratoorsed tööd

1978 https://www.ester.ee/record=b1326987*est

Ülikõrgsagedusseadmed : laboratoorsed tööd

1971 https://www.ester.ee/record=b1332605*est

XI Põhja- ja Baltimaade biomeditsiinitehnika konverents Tallinnas

Hinrikus, Hiie Tallinna Tehnikaülikooli aastaraamat 1999 2000 / lk. 39-43

XXI sajandi Paabeli torni ehitamas : [muljeid IFMBE Ad hoc komitee BME in Europe arutelult Amsterdamis]

Hinrikus, Hiie Mente et Manu 2001 / 10. apr., lk. 1, 3 : ill https://www.ester.ee/record=b1242496*est

Антенны и устройства СВЧ : методическое руководство по курсовой работе для специальности 0701 "Радиотехника"

1988 https://www.ester.ee/record=b1222228*est

Антенные свойства MOM детектора

Hinrikus, Hiie; Soonurm, T. Радиотехника и электроника 1975 / с. 2219-2220 : ил https://www.ester.ee/record=b1775964*est

Быстродействующий широкополосный фотодетектор ИК диапазона

Hinrikus, Hiie; Soonurm, T. I Всесоюзная научно-техническая конференция "Фотометрические измерения и их метрологическое обеспечение" : тезисы докладов 1974 / с. 39 https://www.ester.ee/record=b3927829*est

В медицине без техники никуда : [беседа с Хийе Хинрикус]

Hinrikus, Hiie; Репьев, Сергей Эстония 1999 / 8 июня, с. 1

Влияние приемной апертуры на флуктуации в оптической линии связи

Taklaja, Andres; Hinrikus, Hiie Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 35-36 https://www.ester.ee/record=b1322122*est

Вреден ли мобильный телефон? : [беседа с Хийе Хинрикус]

Rätsep, Artur; Hinrikus, Hiie Мустамая 2000 / но. 4, с. 3 : фот

Гетеродинирование инфракрасного излучения на MOM диоде

Astrak, R.V.; Soonurm, T.E.; Hinrikus, Hiie Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 36-37 https://www.ester.ee/record=b1322122*est

Гетеродинный метод измерения

Hinrikus, Hiie Тезисы докладов научно-технической конференции "Проблемы создания и применения в народном хозяйстве лазерной и оптоэлектронной техники". Ч. 2 1982 / с. 8

Деполаризация лазерного излучения в оптическом канале

Hinrikus, Hiie; Afinogenov, Vladimir Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1972 / с. 1501-1506 https://www.ester.ee/record=b2768571*est

Зондирование атмосферы с помощью полупроводниковых лазеров

Zahharov, Boriss; Hinrikus, Hiie Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 35 https://www.ester.ee/record=b1322122*est

Зондирование турбулентной атмосферы с помощью электрооптического рециркулятора

Grigorjev, Jüri; Zahharov, Boriss; Hinrikus, Hiie III Всесоюзный симпозиум по распространению лазерного излучения в атмосфере : тезисы докладов 1975 / с. 228-229

Измерение коэффициента шума фотоприемников

Hinrikus, Hiie III всесоюзная научно-техническая конференция "Фотометрия и ее метрологическое обеспечение" (2-6 дек.) : Тезисы докладов 1979 / с. 373

Измерение коэффициента шумов гелий-неонового лазера

Astrik, R.; Hinrikus, Hiie XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 148-149 https://www.ester.ee/record=b1306141*est

Использование ПКГ для зондирования газового состава атмосферы

Zahharov, Boriss; Polma, Ermo; Hinrikus, Hiie IV Всесоюзный симпозиум по распространению лазерного излучения в атмосфере : (Распространение лазерного излучения в турбулентной атмосфере) : Тезисы докладов 1977 / с. 41-[43]

Исследование MOM детектора

Hinrikus, Hiie; Afinogenov, Vladimir; Soonurm, T. Труды по радиотехнике : сборник статей. 1 1974 / с. 53-59 : илл https://www.ester.ee/record=b2190658*est <https://digikogu.taltech.ee/et/Item/5cef14c6-ad1c-48d0-970c-a5748f195738>

Исследование атмосферных флуктуаций интенсивности лазерного излучения на длинах волн 0,63 и 10,6 мкм

Vihalem, V.; Taklaja, Andres; Hinrikus, Hiie Квантовая электроника : ежемесячный журнал Академии наук СССР 1975 / с. 1910-[1914] https://www.ester.ee/record=b2054837*est

Исследование возможностей оптической связи в условиях отсутствия прямой видимости

Zahharov, Boriss; Hinrikus, Hiie Вторая всесоюзная научно-техническая конференция "Применение лазеров в технологии и системах передачи и обработки информации", 27-29 ноября 1984 г. : тезисы докладов 1984 / с. 25-26

Исследование параметров излучения ОКГ при распространении в турбулентной атмосфере

Hinrikus, Hiie; Puro, A.; Tsõganov, G. Известия высших учебных заведений : международный ежемесячный научно-технический журнал. Радиоэлектроника 1974 / с. 110-112 https://www.ester.ee/record=b2768571*est

Исследование спектра флуктуаций излучения газового лазера

Hinrikus, Hiie; Taklaja, Andres I Всесоюзная научно-техническая конференция "Фотометрические измерения и их метрологическое обеспечение" : тезисы докладов 1974 / с. 189 https://www.ester.ee/record=b3927829*est

Исследование спектральных и шумовых характеристик излучения лазера на CO₂

Hinrikus, Hiie; Taklaja, Andres Использование оптических квантовых генераторов в современной науке и технике : Материалы к семинару, 4-7 июня 1973 / с. [?]

Когерентное фотодетектирование в газовом лазере

Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie Лазерная и оптико-электронная техника : Межвузовский сборник научных трудов 1989 / с. 131-144

Когерентное фотодетектирование газовым лазером

Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie Квантовая электроника 1990 / 2, с. 240-244

Когерентное фотодетектирование при совмещенном режиме лазера

Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 3, Лазерные системы передачи и обработки информации 1987 / с. 17 https://www.ester.ee/record=b1273195*est

Коэффициент шума фотоприёмников в режиме прямого детектирования

Hinrikus, Hiie Труды по радиотехнике : сборник статей. 1 1974 / с. 41-47 https://www.ester.ee/record=b2190658*est <https://digikogu.taltech.ee/et/Item/5cef14c6-ad1c-48d0-970c-a5748f195738>

Лазерная дальнометрия

Васильев В.П.; **Hinrikus, Hiie** 1995

Лазерная система обмена информации между ЭВМ

Zahharov, Boriss; Hinrikus, Hiie Применение лазеров в системах передачи, преобразования и обработки информации : Материалы краткосрочного семинара, 15-16 дек. 1981 / с. 8-10

Лазерная система передачи дискретной информации через атмосферу

Hinrikus, Hiie; Uusmaa, P.; Malsub, J. Использование оптических квантовых генераторов в современной технике : Материалы к Научно-технической конференции 23-26 июня 1975 / с. 51-55

Лазерная система связи

Malsub, J.; Torn, R.; Uusmaa, P.; **Hinrikus, Hiie** Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 8 https://www.ester.ee/record=b1294751*est

Лазерные информационно-измерительные системы в народном хозяйстве

Hinrikus, Hiie Всесоюзная научная сессия, посвященная 80-летию изобретения радио : аннотации и тезисы докладов 1975 / с. 53-54

Линейные и пространственные свойства точечных МДМ структур

Hinrikus, Hiie; Afinogenov, Vladimir; Soonurm, T. III Всесоюзная конференция "Физические основы регистрации и обработки информации лазерным излучением" 1973 / с. 27

Линия оптической связи на волне 0,63 мкм

Malsub, J.; Sõmera, T.; Süvala, R.; Uusmaa, P.; **Hinrikus, Hiie** Электросвязь : научно-технический журнал по проводной и радиосвязи, телевидению, радиовещанию 1977 / с. 26-29 : ил https://www.ester.ee/record=b1382360*est

Метод измерения спектров атмосферных газов с помощью полупроводникового лазера

Zahharov, Boriss; Hinrikus, Hiie III Всесоюзный симпозиум по распространению лазерного излучения в атмосфере : Тезисы докладов 1975 / с. 245-246

Метод измерения шумов излучения ОКГ

Hinrikus, Hiie; Astrik, R. Труды по радиотехнике : сборник статей. 2 1975 / с. 37-39 : илл https://www.ester.ee/record=b2190715*est
<https://digikogu.taltech.ee/et/Item/7c870ec1-0e49-4f2b-a354-8e2133afce48>

Метод комплексного измерения параметров прошедшего через атмосферу лазерного луча

Hinrikus, Hiie; Böther, R.; Viitman, T. III Всесоюзный симпозиум по распространению лазерного излучения в атмосфере : Тезисы докладов 1975 / с. [225]-227

Методика измерения шумов лазера

Hinrikus, Hiie III всесоюзная научно-техническая конференция "Фотометрия и ее метрологическое обеспечение" (2-6 дек.) : Тезисы докладов 1979 / с. 295

Методы измерения параметров квантовых парамагнитных усилителей

Hinrikus, Hiie 1968 https://www.ester.ee/record=b1521243*est

Методы расчета и экспериментальное исследование шумов в оптическом тракте лазерных информационных и измерительных систем : автореферат ... доктора технических наук (01.04.03)

Hinrikus, Hiie 1988 https://www.ester.ee/record=b1521299*est

Оптическая линия связи на полупроводниковом лазере

Zahharov, Boriss; Lapima, J.J.; Hinrikus, Hiie Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 34 https://www.ester.ee/record=b1322122*est

Оптическая система с применением смещения лазерного излучения

Zahharov, Boriss; Luts, J.; Hinrikus, Hiie XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 11 https://www.ester.ee/record=b1322629*est

Оценка параметров рассеянных атмосферой оптических сигналов

Zahharov, Boriss; Hinrikus, Hiie VII Всесоюзный симпозиум по распространению лазерного излучения в атмосфере : Тезисы докладов 1983 / с. [?]

Оценка чувствительности МОМ детектора

Hinrikus, Hiie; Soonurm, T. Радиотехника и электроника 1975 / с. 2220-2222 : ил https://www.ester.ee/record=b1775964*est

Применение атмосферных лазерных информационно-измерительных систем

Hinrikus, Hiie Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 38-39 https://www.ester.ee/record=b1322122*est

Применение совмещенного режима работы лазера для измерения спектра его излучения

Zahharov, Boriss; Meigas, Kalju; Hinrikus, Hiie Тезисы докладов III Всесоюзной конференции "Применение лазеров в технологии и системах передачи и обработки информации", 11-13 ноября 1987 г. 3, Лазерные системы передачи и обработки информации 1987 / с. 18 https://www.ester.ee/record=b1273195*est

Пути повышения помехоустойчивости лазерных атмосферных систем связи

Hinrikus, Hiie Применение лазеров в системах преобразования, передачи и обработки информации : Материалы краткосрочного семинара (12-13 дек.) 1978 / с. 15-16

Радиотехника

Umborg, Jaak; Zahharov, Boriss; Kink, Toomas; Meigas, Kalju; Hinrikus, Hiie; Kuzjan, O.I.; Veldžanov, I.I.; Zentšenko, S.A.; Malevitš, I.A.; Pranovitš, V.I.; Andrussenko, A.M.; Lukin, I.V.; Sugatšov, O.L.; Tarakanov, B.I.; **Krusell, Urmas; Taklaja, Andres**; Manak, I.S.; Mihnjuk, S.B.; **Vainu, Jaanus** 1989 https://www.ester.ee/record=b1231200*est

Радиотехника

Hinrikus, Hiie; Arro, Ilmar; Ratassepp, Jaak; Germ, Eduard; Sullakatko, Toomas; Niinsalu, Udo; Lumberg, Tõnu; Heinrichsen, Vladimir; Roosi, Aarne; Loitme, Olev; Gerasimtšuk, Valeri; Meister, Ants; Kangur, Oleg; Müller, E.; Andra, Andres; Kruming, Boris; Pungar, Eda-Tiia; Vichmann, Frederik; Jermakov, A.A.; Budarin, Vladimir; Rätsep, Ülo; Teevet, J.-T. 1984 https://www.ester.ee/record=b1302208*est

Радиотехника

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

Umborg, Jaak; Hinrikus, Hiie; Meigas, Kalju; Zahharov, Boriss; Taklaja, Andres; Rang, Toomas; Manak, I.S.; Lissenkova, A.M.; Bondarenko, A.N.; Falkova, N.V.; Krusell, Urmas 1987 https://www.ester.ee/record=b1273963*est

Распределение вероятности флуктуаций интенсивности в оптическом атмосферном связном канале

Taklaja, Andres; Hinrikus, Hiie Труды по радиотехнике : сборник статей. 2 1975 / с. 27-31 : илл https://www.ester.ee/record=b2190715*est <https://digikogu.taltech.ee/et/Item/7c870ec1-0e49-4f2b-a354-8e2133afce48>

Система связи на полупроводниковом лазере для передачи телетайпного сигнала

Zahharov, Boriss; Lapimaa, J.; Hinrikus, Hiie Использование оптических квантовых генераторов в современной технике : Материалы научно-технической конференции 31 мая - 3 июня 1977 / с. 51-52

Сравнительное исследование статистических свойств газового лазера

Taklaja, Andres; Hinrikus, Hiie III Всесоюзная конференция "Физические основы регистрации и обработки информации лазерным излучением" 1973 / с. 74

Статистические параметры источников оптических сигналов

Hinrikus, Hiie I Всесоюзная научно-техническая конференция "Фотометрические измерения и их метрологическое обеспечение", 28 янв. - 1 февр., 1974 1974 / с. 190 https://www.ester.ee/record=b3927829*est

Уменьшение ошибки в атмосферных лазерных системах

Zahharov, Boriss; Hinrikus, Hiie Квантовая электроника : ежемесячный журнал Академии наук СССР 1981 / с. 1708-[1714] : ил https://www.ester.ee/record=b2054837*est

Физический предел возможностей информационных и измерительных систем

Hinrikus, Hiie Исследования по прикладной квантовой электронике 1983 / с. 9-12 https://www.ester.ee/record=b1271959*est <https://digikogu.taltech.ee/et/Item/a565466d-098c-472e-b687-7647aea327b0>

Шумовые параметры линейных фотоприёмников

Hinrikus, Hiie Труды по радиотехнике : сборник статей. 1 1974 / с. 35-40 https://www.ester.ee/record=b2190658*est
<https://digikogu.taltech.ee/et/Item/5cef14c6-ad1c-48d0-970c-a5748f195738>

Шумы в лазерных информационных системах

Hinrikus, Hiie 1987 https://www.ester.ee/record=b1746389*est

Шумы лазера на CO₂

Kaarna, A.; Hinrikus, Hiie XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 149 https://www.ester.ee/record=b1306141*est

Шумы мом диода

Astrik, R.; Soonurm, T.; Hinrikus, Hiie Труды по радиотехнике : сборник статей. 2 1975 / с. 33-36 : илл
https://www.ester.ee/record=b2190715*est <https://digikogu.taltech.ee/et/Item/7c870ec1-0e49-4f2b-a354-8e2133afce48>

Шумы фотодетектирования излучения неидеального ОКГ

Hinrikus, Hiie Известия высших учебных заведений. Радиофизика 1975 / с. 1438-1441 https://www.ester.ee/record=b2144384*est

Шумы четырехполюсников оптического диапазона

Hinrikus, Hiie Исследования по прикладной квантовой электронике 1983 / с. 3-8 : ил https://www.ester.ee/record=b1271959*est
<https://digikogu.taltech.ee/et/Item/a565466d-098c-472e-b687-7647aea327b0>

Экспериментальная лазерная линия связи с атмосферным каналом рассеяния

Abratova, N.; Dremin, A.; Zahharov, Boriss; Hinrikus, Hiie Техника средств связи 1982 / с. 56-60

Экспериментальное исследование флуктуаций лазерного луча на атмосферной трассе

Böther, R.; Viitman, T.; Hinrikus, Hiie Квантовая электроника : ежемесячный журнал Академии наук СССР 1975 / с. 1978-[1984]
https://www.ester.ee/record=b2054837*est