A neural network approach to EEG classification in brain chemical injuries diagnosis
Raja, Aimur; **Meister, Ants**; **Tuulik, Viiu**; **Lossmann, Eerik** MEDICON'95 : VII Mediterranean Conference on Medical & Biological Engineering (IFMBE) : conference abstracts, Jerusalem, Israel, 17-21 September, 1995 1995 / p. 133

A spectrum-based technique to analyze a pair of digitized signals
Lossmann, Eerik; **Tuulik, Viiu**; **Meister, Ants**; **Raja, Aimur** The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 177-178 : ill

Changes of human brain bioelectrycal activity during photic stimulation as an indicator of brain functional state
Tuulik, Viiu; **Meister, Ants**; **Lossmann, Eerik**; **Raja, Aimur** Biocybernetics and biomedical engineering 2001 / 1, p. 77-82

Classification and clustering of transients in the EEG of epileptics
Lossmann, Eerik; Wahlberg, P. 9th Nordic Meeting on Medical and Biological Engineering, Lund, Sweden, June 13-16, 1993 1993

A classification of epileptic spikes in the EEG
Lossmann, Eerik Tallinna Tehnikaülikooli Toimetised 1994 / lk. 52-61: ill

Classification of signal segments using higher order statistics-based models, wavelet transform and self-organizing mases
Lossmann, Eerik; **Meister, Ants** 2nd Lithuanian Conference "Biomed. Engineering", 10-17. Oct. 1997 1997 / p. 25

Classification of signal segments using third-order statistic-based AR model and learning vector quantization
Lossmann, Eerik; **Martverk, Peep**; **Meister, Ants** 9. Symposium Maritime Elektronik : Arbeitskreis Maritime Mess- und Informationselektronik 1998 / S. 117-120: Ill

Clustering of transients in the EEG of epileptics
Lossmann, Eerik; Wahlberg, Patrik 1993

Complex signal classification algorithms based on the third-order statistical models
Lossmann, Eerik 1999 http://www.ester.ee/record=b1273070*est

Detection of modulation scheme in adaptive OFDM
Meister, Ants; **Lossmann, Eerik**; **Martverk, Peep** BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 319-322 : ill

Determination of the functional state of central nervous system in chemical stress by EEG and psychometrical methods
Tuulik, Viiu; **Meister, Ants**; **Raja, Aimur**; **Lossmann, Eerik** Proc. of a-Conference 1994 / p. 30

Digitaalne raadiovastuvõtt
Lossmann, Eerik; **Schults, Eduard** Elektroonika 2000 : VII rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid 2000 / lk. 21-33 : ill

DRM - digitaalne heliringhääling lühilainealas
Lossmann, Eerik Raadiotehnika 2005 : XII rahvusvahelise telekommunikatsioonipäeva materjalid 2005 / lk. 41-47 : ill

EEG spectrum-based analysis of human brain bioelectrical activity using photic stimulation
Tuulik, Viiu; **Lossmann, Eerik**; **Meister, Ants**; **Raja, Aimur** Lecture Notes of the ICB Seminars "Statistics and Clinical Practice" 2000 / p. 116-120

E-sporaadiline raadiolevi
Lossmann, Eerik Elektroonika 2004 : XI rahvusvahelise telekommunikatsioonipäeva materjalid 2004 / lk. 114-117 : ill

Exact analysis of PSK systems in the presence of Nakagami fading
Raja, Aimur; **Martverk, Peep**; **Lossmann, Eerik** Elektronika ir elektrotechnika = Electronics and electrical engineering 2003 / 3, p. 27-30

Experiences of teaching complicated undergraduate course for large number of students in the Tallinn University of Technology
Rokk, Indrek; **Kulmar, Marika**; **Ots, Avo**; **Lossmann, Eerik** Elektronika ir elektrotechnika = Electronics and electrical engineering 2010 / 6, 119-122

Hajaspekter-sidesüsteemid : avalik loeng 29. mail 2001 TTÜs
Lossmann, Eerik Tallinna Tehnikaülikooli aastaraamat 2001 2003 / lk. 303-307 : ill

Identification of pseudo-random noise generator structure
Lossmann, Eerik; **Meister, Ants**; **Madar, Urve** Elektronika ir elektrotechnika = Electronics and electrical engineering 2005 / 6, p. 13-15

Investigation of amplitude and phase distortions in DAB system
Meister, Ants; **Lossmann, Eerik**; **Martverk, Peep** Elektronika ir elektrotechnika = Electronics and electrical engineering 2000 / 5, p. 34-37 : ill https://eejournal.ktu.lt/index.php/elt/article/view/17478

Investigation of phase coupling of harmonic signal components using third order statistics and classification based on learning vector quantization
Lossmann, Eerik; **Meister, Ants** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 143-146: ill

Multichannel EEG-based sleep stage scoring
Lossmann, Eerik 1997

Neural network algorithms for the analyzing of QEEG and psychometrical/psychological data by chronic occupational neurotixic [!] diseases of CNS
Tuulik, Viiu; Altrov, Epp; Riisalo, R.; **Meister, Ants**; **Raja, Aimur**; **Lossmann, Eerik** Euro Brain '97, 26-28 November 1997 : proceedings 1997 / p. 101-102

Neural network approach to classify the functional state of CNS in case of neurotoxic diseases
Raja, Aimur; **Tuulik, Viiu**; **Lossmann, Eerik**; **Meister, Ants** Medical & biological engineering & computing : journal of the International Federation for Medical & Biological Engineering. Part 2, Proceedings of the 1st International Conference on Bioelectromagnetism 1996 / p. 241-242 : ill https://www.ester.ee/record=b1292531*est

Neural network method as a method for the diagnozing of vigilance levels of central nervous system by occupational chemical stress
Tuulik, Viiu; **Raja, Aimur**; **Meister, Ants**; **Lossmann, Eerik** 4th European Conference on Engineering and Medicine "Bridging East and West", Warsaw, Poland, May 25-28, 1997 : book of abstracts 1997 / p. 375

Neural network method to determine the vigilance levels
Tuulik, Viiu; **Meister, Ants**; **Raja, Aimur**; **Lossmann, Eerik** Technology and Health Care, Zürich, 1996 1996

Neural network method to determine the vigilance levels of the central nervous system, related to occupational chronic chemical stress
Tuulik, Viiu; **Raja, Aimur**; **Meister, Ants**; **Lossmann, Eerik** Technology and health care 1997 / 3, p. 243-251: ill

Neural network-based analysis of quantitative EEG data in case of chronic occupational chemical stress
Tuulik, Viiu; **Meister, Ants**; **Raja, Aimur**; **Lossmann, Eerik** Electroencephalography and clinical neurophysiology 1996 / n. 4. Special issue, Abstracts of the 8th European Congress of Clinical Neurophysiology, Munich, Germany, Oct. 9-11, 1996. p. 327

Neurophysiological and neuropsychological methods for estimation of the CNS vigilance levels, related to occupational stress
Tuulik, Viiu; **Raja, Aimur**; **Lossmann, Eerik**; **Meister, Ants** ICCEF '98 : 8th International Conference on Combined Effects of Environmental Factors, Baden, Wien, September 19-23, 1998 : abstracts 1998 / p. 53

Noise level estimation in the shortwave frequency range
Lossmann, Eerik; **Meister, Mari-Anne**; **Madar, Urve** Elektronika ir elektrotechnika = Electronics and electrical engineering 2011 / p. 85-88 : ill

Ojamaal lühilaineside hetkeseisu ja tulevikku arutamas
Lossmann, Eerik Tallinna Tehnikaülikooli aastaraamat 2010 2011 / lk. 277-278

On diagnosing the functional state of the CNS in case of neurotoxic diseases
Tuulik, Viiu; **Lossmann, Eerik**; **Raja, Aimur**; **Meister, Ants** Journal of neural transmission. General section 1995 / 3, p. XLIX

On evaluation of high frequency channel parameter
Meister, Mari-Anne; **Lossmann, Eerik**; **Madar, Urve** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 49-51 : ill

On HF communication link parameter estimation in the Baltic region
Lossmann, Eerik; **Meister, Mari-Anne**; **Madar, Urve** 2011 IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications (IEEE APWC '11) : Torino, Italy, September 12-16, 2011 : proceedings 2011 / p. 812-814 : ill

Pattern recognition techniques with applications to the EEG signals
Lossmann, Eerik; **Meister, Ants**; **Raja, Aimur**; **Tuulik, Viiu** 54th ICB Seminar : Multimedia, Data Integration, Medical Databases : Warsaw, 18-23 October, 1999 1999 / p. 29-30

Performance modelling of DVB-T systems with MatLab/Simulink
Raja, Aimur; **Lossmann, Eerik**; Sementsov, Y. Proc.8th International Conference ELECTRONICS 2004 : Kaunas 2004 / p. ?

Pseudojuhuslikud bitijadad ja nende juhuslikkuse testimine
Lossmann, Eerik; **Meister, Ants** Ringhääling 2003 : X rahvusvahelise telekommunikatsioonipäeva materjalid 2003 / lk. 54-59 : ill

QEEG-based methods for diagnosing the vigilance levels
Raja, Aimur; **Tuulik, Viiu**; **Lossmann, Eerik**; **Meister, Ants**; Riisalo, R.; Altrov, Epp 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. 109

QEEG-based methods for diagnozing the vigilance levels
Raja, Aimur; **Tuulik, Viiu**; **Lossmann, Eerik**; **Meister, Ants**; Riisalo, R.; Altrov, Epp VIII Mediterranean Conference on Medical and Biological Engineering and Computing : Medicon'98, June 14-17, 1998, Lemesos, Cyprus : [proceedings : CD-ROM] 1998 / [4] p.: ill

Quadratic phase coupling detection by means of the third order statistics and classification based on learning vector quantization
Lossmann, Eerik Telekommunikatsioon '98 : rahvusvahelise telekommunikatsioonipäeva konverentsi ettekannete materjalid, 15. mai 1998 1998 / lk. 5-11: ill

Quadratic phase coupling detection using invariants defined from bispectrum
Lossmann, Eerik; **Meister, Ants** Ringhääling '99 : VI Rahvusvahelise Telekommunikatsioonipäeva konverentsi ettekannete materjalid 1999 / lk. 62-67: ill

Rakenduslikud monitooringud lühilaine spektrialas
Meister, Mari-Anne; **Lossmann, Eerik** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 73-76 : ill

Reliability analysis and simulation of some concatenated coding channels
Madar, Urve; Sinjuk, Aleksei; **Lossmann, Eerik** Proc.8th International Conference ELECTRONICS 2004 : Kaunas 2004 / p. ?

Resolution and Doppler tolerance of cognitive system waveforms
Berdnikova, Julia; **Ruuben, Toomas**; **Müürsepp, Ivo**; **Lossmann, Eerik** Elektronika ir elektrotechnika = Electronics and electrical engineering 2010 / 7, p. 101-104 : ill

Results of the practical research for HF communications in Estonia
Meister, Mari-Anne; **Lossmann, Eerik**; **Madar, Urve** HF 10 : Nordic Shortwave Conference : 17-19 August 2010, Farö, Sweden : conference proceedings 2010 / p.4.2.1-4.1.10 : ill

Sensitivity of non-coherent frequency shift keying to harmonic interference
Meister, Ants; **Martverk, Peep**; **Lossmann, Eerik** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 279-282 : ill

Signal distortions caused by multipath propagation in DAB transmission
Meister, Ants; **Lossmann, Eerik**; **Martverk, Peep** The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 337-340 : ill

Sleep stage scoring on the basis of semi-automated EEG analysis
Lossmann, Eerik 1st Workshop on Industrial Mathematics for Nordic Ph.D.-students, 29.-31. August 1997, Hillerod, Denmark 1997 / [1] p

SNR estimation in HF communications channel
Ruuben, Toomas; **Meister, Mari-Anne**; **Lossmann, Eerik**; **Berdnikova, Julia**; **Madar, Urve** 6th European Conference on Antennas and Propagation (EUCAP) 2012 / p. 2013-2015 : ill https://ieeexplore.ieee.org/document/6205874

Some computerised methods for diagnosing the CNS vigilance levels
Tuulik, Viiu; **Raja, Aimur**; **Lossmann, Eerik**; **Meister, Ants** Abstracts of European Symposium on Medical Imaging and Networking, Antverpen, Holland, 1998 1998

Some fading-related problems at shortwave propagation path in the Baltics
Lossmann, Eerik; **Madar, Urve**; **Raja, Aimur**; **Meister, Mari-Anne** Elektronika ir elektrotechnika = Electronics and electrical

engineering 2008 / 5, p. 57-60 : ill

Teaching of telecommunication-specific university course in cooperation with partners from industry
Ainomäe, Ahti; **Rokk, Indrek**; **Lossmann, Eerik** Elektronika ir elektrotechnika = Electronics and electrical engineering 2011 / p. 131-134 https://eejournal.ktu.lt/index.php/elt/article/view/306

The chemistry workers brain state quantitative estimating on the basis of alpha activity of EEG
Raja, Aimur; **Tuulik, Viiu**; **Meister, Ants**; **Lossmann, Eerik** Proc. of a-Conference 1994 / p. 36

The dynamics of EEG rhythms in patients with chemical injuries of the CNS
Lossmann, Eerik; Salomonsson, G.; **Tuulik, Viiu**; **Meister, Ants**; **Raja, Aimur** MEDICON'95 : VII Mediterranean Conference on Medical & Biological Engineering (IFMBE) : conference abstracts, Jerusalem, Israel, 17-21 September, 1995 1995 / p. 130

The neural network classification algorithms with applications to avaraged EEG data
Raja, Aimur; **Tuulik, Viiu**; **Lossmann, Eerik**; **Meister, Ants** The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 347-348

Theoretical and practical aspects of shortwave broadcast reception in the Baltics
Lossmann, Eerik; **Meister, Mari-Anne**; **Raja, Aimur**; **Madar, Urve** Elektronika ir elektrotechnika = Electronics and electrical engineering 2009 / 4(92), p. 45-48 : ill

Une faaside liigitus EEG-signaali alusel wavelet-teisenduse ja närvivõrgu kasutamisega
Lossmann, Eerik Raadiotehnika '97 : ettekannete materjalid 1997 / lk. 55-64: ill

Анализ помехоустойчивости многоуровневых каскадных кодов в среде MATLAB
Madar, Urve; Sinjuk, Aleksei; **Lossmann, Eerik** Elektronika ir elektrotechnika = Electronics and electrical engineering 2004 / p. 71-74 : ill