

A neural network approach to EEG classification in brain chemical injuries diagnosis

Raja, Aimur; Meister, Ants; Tuulik, Viuu; Lossmann, Eerik MEDICON'95 : VII Mediterranean Conference on Medical & Biological Engineering (IFMBE) : conference abstracts, Jerusalem, Israel, 17-21 September, 1995 1995 / p. 133

Feed-forward neural networks for smooth operation of the high-voltage power transmission network

Kangilaski, Taivo Proceedings of the Estonian Academy of Sciences. Engineering 2002 / 4, 223-247 : ill

Fracture estimation based on deformation history with recurrent neural networks

Yatkin, Muhammed Adil; Kõrgesaar, Mihkel 2023 International Conference on Machine Learning and Applications (ICMLA) : proceedings 2023 / p. 1025-1030 <https://doi.org/10.1109/ICMLA58977.2023.00152>

GA based optimization of NN-SANARX model for adaptive control of nonlinear systems

Vassiljeva, Kristina; Petlenkov, Eduard; Belikov, Juri WCCI 2012 : IEEE World Congress on Computational Intelligence : June, 10-15, 2012, Brisbane, Australia 2012 / p. 1674-1681 : ill <https://ieeexplore.ieee.org/document/6252598>

A light-weight CNN model for efficient Parkinsons disease diagnostics

Wang, Xuechao; Huang, Junqing; Chatzakou, Marianna; Medijainen, Kadri; Taba, Pille; Toomela, Aaro; Nõmm, Sven; Ruzhansky, Michael 36th IEEE International Symposium on Computer-Based Medical Systems, CBMS 2023, Aquila, 22-24 June 2023 2023 / p. 616-621 <https://doi.org/10.1109/CBMS58004.2023.00289> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Machine learning assisted methodology for multiclass classification of malignant brain tumors

Vidhyarthi, Ankit; Agarwal, Ruchi; Gupta, Deepak; Sharma, Rahul; Draheim, Dirk; Tiwari, Prayag IEEE Access 2022 / p. 50624-50640 <https://doi.org/10.1109/ACCESS.2022.3172303> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Neural network algorithms for the analyzing of QEEG and psychometrical/psychological data by chronic occupational neurotoxic [?] diseases of CNS

Tuulik, Viuu; 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, Viuu; 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.estee.ee/record=b1292531*est

Neural network method as a method for the diagnosing of vigilance levels of central nervous system by occupational chemical stress

Tuulik, Viuu; 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 of the central nervous system, related to occupational chronic chemical stress

Tuulik, Viuu; 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, Viuu; 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

Restricted connectivity neural network structure for organ recognition by analysis of endoscopic images during surgical operation

Petlenkov, Eduard; Artemtšuk, Igor; Miyawaki, F.; Yoshimitsu, Kitaro BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 261-264 : ill

Sensor-location-specific joint acquisition of peripheral artery bioimpedance and photoplethysmogram for wearable applications

Metshein, Margus; Abdullayev, Anar; Gautier, Antoine; Larras, Benoit; Frappe, Antoine; Cardiff, Barry; Annus, Paul; Land, Raul; Märten, Olev Sensors 2023 / art. 7111 <https://doi.org/10.3390/s23167111> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards personalized elevator travel with smart elevator system

Robal, Tarmo; Reinsalu, Uljana; Leier, Mairo Baltic journal of modern computing 2020 / p. 675-697 <https://doi.org/10.22364/bjmc.2020.8.4.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Trends and challenges in intelligent condition monitoring of electrical machines using machine learning

Kudelina, Karolina; Vaimann, Toomas; Asad, Bilal; Rassõlkin, Anton; Kallaste, Ants; Demidova, Galina Applied sciences
2021 / art. 2761, 19 p. : ill <https://doi.org/10.3390/app11062761> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

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