

Citované práce

Amari, S. - Beltrame, F. - Bjaalie, J.G. - Dalkara, T. - de Schutter, E. - Egan, G.F. - Goddard, N.H. - Gonzalez, C. - Grillner, S. - Herz, A. - Hoffmann, K.P. - Jaaskelainen, I.P. - Koslow, S.H. - Lee Seung-Soo, S. - Matthiessen, L. - Miller, P.L. - da Silva, F.M. - Novák, Mirko - Ravindranath, V. - Ritz, R. - Ruotsalainen, U. - Šebesta, Václav - Subramanian, S. - Tang, Y. - Toga, A.W. - Usui, S. - van Pelt, J. - Verschure, P. - Willshaw, D. - Wrobel, A.

Neuroinformatics: The Integration of Shared Databases and Tools Towards Integrative Neuroscience.

Journal of Integrative Neuroscience. Roč. 1, č. 2 (2002), s. 117-128. ISSN 0219-6352

 [DOI: 10.1142/S0219635202000128](https://doi.org/10.1142/S0219635202000128)

Citováno:

- MANZOTTI, R. - CHELLA, A. Physical integration: A causal account for consciousness. *JOURNAL OF INTEGRATIVE NEUROSCIENCE*. ISSN 0219-6352, JUN 2014, vol. 13, no. 2, SI, p. 403-427. [WOS]
- MARC, R.E. - JONES, B.W. - LAURITZEN, J.S. - WATT, C.B. - ANDERSON, J.R. Retinal Connectomics: A New Era for Connectivity Analysis. *NEW VISUAL NEUROSCIENCES*. 2014, p. 107-122. [WOS]
- MARC, R.E. - JONES, B.W. - WATT, C.B. - ANDERSON, J.R. - SIGULINSKY, C. - LAURITZEN, S. Retinal connectomics: Towards complete, accurate networks. *PROGRESS IN RETINAL AND EYE RESEARCH*. ISSN 1350-9462, NOV 2013, vol. 37, p. 141-162. [WOS]
- HITURI, K. - LINNE, M.L. Comparison of Models for IP3 Receptor Kinetics Using Stochastic Simulations. *PLOS ONE*. ISSN 1932-6203, APR 10 2013, vol. 8, no. 4. [WOS]
- ALEXIOU, A. - THEOCHAROPOULOU, G. - VLAMOS, P. Ethical Issues in Neuroinformatics. *ARTIFICIAL INTELLIGENCE APPLICATIONS AND INNOVATIONS*, AIAI 2013. ISSN 1868-4238, 2013, vol. 412, p. 700-705. [WOS]
- BARTOLUCCI, V. - DANDO, M. What Does Neuroethics Have to Say about the Problem of Dual Use?. *ON THE DUAL USES OF SCIENCE AND ETHICS: PRINCIPLES, PRACTICES, AND PROSPECTS*. ISSN 2202-4816, 2013, no. 4, p. 29-44. [WOS]
- SMEETS, P.A.M. - CHARBONNIER, L. - VAN MEER, F. - VAN DER LAAN, L.N. - SPETTER, M.S. Food-induced brain responses and eating behaviour. *PROCEEDINGS OF THE NUTRITION SOCIETY*. ISSN 0029-6651, NOV 2012, vol. 71, no. 4, p. 511-520. [WOS]
- CORRADI, L. - PORRO, I. - SCHENONE, A. - MOMENI, P. - FERRARI, R. - NOBILI, F. - FERRARA, M. - ARNULFO, G. - FATO, M.M. A repository based on a dynamically extensible data model supporting multidisciplinary research in neuroscience. *BMC MEDICAL INFORMATICS AND DECISION MAKING*. ISSN 1472-6947, OCT 8 2012, vol. 12. [WOS]
- MARC, R.E. - JONES, B.W. - LAURITZEN, J.S. - WATT, C.B. - ANDERSON, J.R. Building retinal connectomes. *CURRENT OPINION IN NEUROBIOLOGY*. ISSN 0959-4388, AUG 2012, vol. 22, no. 4, p. 568-574. [WOS]
- NIELSEN, T.A. - NILSSON, H. - MATHESON, T. A formal mathematical framework for physiological observations, experiments and analyses. *JOURNAL OF THE ROYAL SOCIETY INTERFACE*. ISSN 1742-5689, MAY 7 2012, vol. 9, no. 70, p. 1040-1050. [WOS]
- TURNER, J.A. - LAIRD, A.R. The Cognitive Paradigm Ontology: Design and Application. *NEUROINFORMATICS*. ISSN 1539-2791, JAN 2012, vol. 10, no. 1, p. 57-66. [WOS]
- SIMON, L. - TOTH, J. - MOLNAR, L. - AGOSTON, D.V. MRI analysis of mGluR5 and mGluR1 antagonists, MTEP and R214127 in the cerebral forebrain of awake, conscious rats.

- NEUROSCIENCE LETTERS. ISSN 0304-3940, NOV 14 2011, vol. 505, no. 2, p. 155-159. [WOS]
- EICKHOFF, S.B. - GREFKES, C. Approaches for the Integrated Analysis of Structure, Function and Connectivity of the Human Brain. CLINICAL EEG AND NEUROSCIENCE. ISSN 1550-0594, APR 2011, vol. 42, no. 2, SI, p. 107-121. [WOS]
- SHI, B.T. - BOURNE, J. - HARRIS, K.M. SynapticDB, Effective Web-based Management and Sharing of Data from Serial Section Electron Microscopy. NEUROINFORMATICS. ISSN 1539-2791, MAR 2011, vol. 9, no. 1, p. 39-57. [WOS]
- MEIJERING, E. Neuron Tracing in Perspective. CYTOMETRY PART A. ISSN 1552-4922, JUL 2010, vol. 77A, no. 7, SI, p. 693-704. [WOS]
- PRICE, C.J. - SEGHIER, M.L. - LEFF, A.P. Predicting language outcome and recovery after stroke: the PLORAS system. NATURE REVIEWS NEUROLOGY. ISSN 1759-4758, APR 2010, vol. 6, no. 4, p. 202-210. [WOS]
- GARCIA-CAIRASCO, N. Puzzling challenges in contemporary neuroscience: Insights from complexity and emergence in epileptogenic circuits. EPILEPSY & BEHAVIOR. ISSN 1525-5050, JAN 2009, vol. 14, p. 54-63. [WOS]
- JAGAROO, V. Neuroinformatics for Neuropsychology Introduction. NEUROINFORMATICS FOR NEUROPSYCHOLOGY. 2009, p. 1-+. [WOS]
- FRENCH, L. - PAVLIDIS, P. Informatics in neuroscience. BRIEFINGS IN BIOINFORMATICS. ISSN 1467-5463, NOV 2007, vol. 8, no. 6, p. 446-456. [WOS]
- PEREZ-IRATXETA, C. - ANDRADE-NAVARRO, M.A. - WREN, J.D. Evolving research trends in bioinformatics. BRIEFINGS IN BIOINFORMATICS. ISSN 1467-5463, MAR 2007, vol. 8, no. 2, p. 88-95. [WOS]
- HOLMSETH, S. - LEHRE, K.P. - DANBOLT, N.C. Specificity controls for immunocytochemistry. ANATOMY AND EMBRYOLOGY. ISSN 0340-2061, AUG 2006, vol. 211, no. 4, p. 257-266. [WOS]
- RUDOWSKY, I. - KULYBA, O. - KUNIN, M. - PARSONS, S. - RAPHAN, T. Reinforcement learning interfaces for biomedical database systems. 2006 28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vols 1-15. 2006, p. 3558-3561. [WOS]
- PALMER, C.L. Scholarly work and the shaping of digital access. JOURNAL OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE AND TECHNOLOGY. ISSN 1532-2882, SEP 2005, vol. 56, no. 11, p. 1140-1153. [WOS]
- GORDON, E. - COOPER, N. - RENNIE, C. - HERMENS, D. - WILLIAMS, L.M. Integrative neuroscience: The role of a standardized database. CLINICAL EEG AND NEUROSCIENCE. ISSN 1550-0594, APR 2005, vol. 36, no. 2, p. 64-75. [WOS]
- HOLMSETH, S. - DEHNES, Y. - BJORNSEN, L.P. - BOULLAND, J.L. - FURNESS, D.N. - BERGLES, D. - DANBOLT, N.C. Specificity of antibodies: Unexpected cross-reactivity of antibodies directed against the excitatory amino acid transporter 3 (EAAT3). NEUROSCIENCE. ISSN 0306-4522, 2005, vol. 136, no. 3, p. 649-660. [WOS]
- KOGA, H. - YUASA, S. - NAGASE, T. - SHIMADA, K. - NAGANO, M. - IMAI, K. - OHARA, R. - NAKAJIMA, D. - MURAKAMI, M. - KAWAI, M. - MIKI, F. - MAGAE, J. - INAMOTO, S. - OKAZAKI, N. - OHARA, O. A comprehensive approach for establishment of the platform to analyze functions of KIAA proteins II: Public release of inaugural version of InGaP database containing gene/protein expression profiles for 127 mouse KIAA genes/proteins. DNA RESEARCH. ISSN 1340-2838, AUG 31 2004, vol. 11, no. 4, p. 293-304. [WOS]
- SETH, R. - SHAPSHAK, P. - KAZIC, T. Building models of biological domains. 8TH WORLD MULTI-CONFERENCE ON SYSTEMICS, CYBERNETICS AND INFORMATICS, VOL XII, PROCEEDINGS: APPLICATIONS OF CYBERNETICS AND INFORMATICS IN OPTICS, SIGNALS, SCIENCE AND ENGINEERING. 2004, p. 13-18. [WOS]
- PALMER, C.L. - CRAGIN, M.H. - HOGAN, T.P. Information at the intersections of discovery: Case studies in neuroscience. ASIST 2004: PROCEEDINGS OF THE 67TH ASIS&T ANNUAL MEETING, VOL

- 41, 2004: MANAGING AND ENHANCING INFORMATION: CULTURES AND CONFLICTS. ISSN 0044-7870, 2004, vol. 41, p. 448-455. [WOS]
- VANNIER, M.W. - STAAB, E.V. - CLARKE, L.P. Matching clinical and biological needs with emerging imaging technologies. PROCEEDINGS OF THE IEEE. ISSN 0018-9219, OCT 2003, vol. 91, no. 10, p. 1562-1573. [WOS]
- Bockholt, H.J. - Scully, M. - Courtney, W. - Rachakonda, S. - Scott, A. - Caprihan, A. - Fries, J. - Kalyanam, R. - Segall, J.M. - de la Garza, R. - Lane, S. - Calhoun, V.D. Mining the Mind Research Network: A novel framework for exploring large scale, heterogeneous translational neuroscience research data sources. (2010) *Frontiers in Neuroinformatics*, 3 (APR), art. no. 36, .
- Fattore, M. - Arrigo, P. Knowledge discovery and system biology in molecular medicine: An application on neurodegenerative diseases. (2005) *In Silico Biology*, 5 (2), pp. 199-208.
- Feixue, H. - Zhijie, L. - Xiaoli, S. The model of association rules mining with brain function image for recognition of Chinese words. (2009) Proceedings - International Conference on Management and Service Science, MASS 2009, art. no. 5305723.
- Gordon, E. Integrative neuroscience in psychiatry: The role of a standardized database. (2003) *Australasian Psychiatry*, 11 (2), pp. 156-163.
- Rautenberg, P.L. - Sobolev, A. - Herz, A.V.M. - Wachtler, T. A database system for electrophysiological data. (2011) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 6990 LNCS, pp. 1-14.
- Rudowsky, I. - Kulyba, O. - Kunin, M. - Ogarodnikov, D. - Raphan, T. A relational database application in support of integrated neuroscience research (2005) *Journal of Integrative Neuroscience*, 4 (3), pp. 363-378.
- Rudowsky, I. - Kulyba, O. - Kunin, M. - Ogarodnikov, D. - Raphan, T. A relational database application in support of integrated neuroscience research. (2004) *Journal of Integrative Neuroscience*, 3 (4), pp. 363-378.
- Toga, A.W. - Crawford, K.L. The Alzheimer's Disease Neuroimaging Initiative informatics core: A decade in review. (2015) *Alzheimer's and Dementia*, 11 (7), pp. 832-839.
- Van Horn, J.D. - Toga, A.W. Is it time to re-prioritize neuroimaging databases and digital repositories? (2009) *NeuroImage*, 47 (4), pp. 1720-1734.
- Vannier, M.W. - Staab, E.V. - Clarke, L.P. Matching clinical and biological needs with emerging imaging technologies. (2003) *Proceedings of the IEEE*, 91 (10), pp. 1562-1573.
- Wróbel, A. The need of neuroinformatic approach in functional neurophysiology. (2005) *Acta Neurobiologiae Experimentalis*, 65 (4), pp. 421-423.
- Otake, M. - Takagi, T. - Asama, H. Development of Open Brain Simulator for Human Biomechatronics. (2007) *IEEJ Transactions on Electronics, Information and Systems*, 127 (10), pp. 1705-1711.
- French, L.H. Bioinformatics for neuroanatomical connectivity. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in the Faculty of Graduate Studies. The University of British Columbia 2012
- Feixue Huang - Zhijie Li - Xiaoli Sun. The Model of Association Rules Mining with Brain Function Image for Recognition of Chinese Words. Proceedings of Mass 2009. ISBN: 978-1-4244-4638-4. DOI: 10.1109/ICMSS.2009.5305723.
- Shapshak, P. - Minagar, A. - Duran, E.M. - Ziegler, F.- Davis, W. - Seth, R. - Kazic, T. Gene Expression in HIV-Associated Dementia. In book: *Inflammatory Disorders of the Nervous System*, pp. 305-318, 2007.
- PRODANOV, Dimiter. Data ontology and an information system realization for web-based management of image measurements.. *Frontiers in neuroinformatics*. 2011, vol. 5, p. 25-25. [WOS]
- GREWE, Jan - WACHTLER, Thomas - BENDA, Jan. A Bottom-up Approach to Data Annotation in

- Neurophysiology.. Frontiers in neuroinformatics. 2011, vol. 5, p. 16-16. [WOS]
- ANDERSON, J. R. - MOHAMMED, S. - GRIMM, B. - JONES, B. W. - KOSHEVOY, P. - TASDIZEN, T. - WHITAKER, R. - MARC, R. E. The Viking viewer for connectomics: scalable multi-user annotation and summarization of large volume data sets. JOURNAL OF MICROSCOPY. ISSN 0022-2720, JAN 2011, vol. 241, no. 1, p. 13-28. [WOS]
- ANDERSON, J.R. - MOHAMMED, S. - GRIMM, B. - JONES, B.W. - KOSHEVOY, P. - TASDIZEN, T. - WHITAKER, R. - MARC, R.E. The Viking viewer for connectomics: scalable multi-user annotation and summarization of large volume data sets. JOURNAL OF MICROSCOPY. ISSN 0022-2720, JAN 2011, vol. 241, no. 1, p. 13-28. [WOS]
- KOLBE, S. - MA, T.C. - LIU, W. - SOH, W.S. - BUYYA, R. - EGAN, G. A platform for distributed analysis of neuroimaging data on global Grids. First International Conference on e-Science and Grid Computing, Proceedings. 2005, p. 72-79. [WOS]

Eckersley, P. - Egan, G.F. - de Schutter, E. - Yiyuan, T. - Novák, Mirko - Šebesta, Václav - Mathiessen, L. - Jaaskelainen, I.P. - Ruotsalainen, U. - Herz, A.V.M. - Hoffmann, K.P. - Ritz, R. - Ravindranath, V. - Beltrame, F. - Amari, S. - Usui, S. - Lee, S. Y. - van Pelt, S. - Bjaalie, J.G. - Wrobel, A. - da Silva, F.M. - Gonzales, C. - Grillner, S. - Verschure, P. - Dalkara, T. - Bennett, R. - Willshaw, D. - Koslow, S.H. - Miller, P.L. - Subramanian, S. - Toga, A.W.

Neuroscience Data and Tool Sharing: A legal and policy framework for neuroinformatics.

Neuroinformatics. Roč. 1, č. 2 (2003), s. 149-165. ISSN 1539-2791

 DOI: [10.1007/s12021-003-0002-1](https://doi.org/10.1007/s12021-003-0002-1)

Citováno:

- KOWALCZYK, S. - SHANKAR, K. Data Sharing in the Sciences. ANNUAL REVIEW OF INFORMATION SCIENCE AND TECHNOLOGY. ISSN 0066-4200, 2011, vol. 45, p. 247-294. [WOS]
- ZWOLINSKI, P. - ROSZKOWSKI, M. - ZYGIEREWICZ, J. - HAUFE, S. - NOLTE, G. - DURKA, P.J. Open Database of Epileptic EEG with MRI and Postoperative Assessment of Foci-a Real World Verification for the EEG Inverse Solutions. NEUROINFORMATICS. ISSN 1539-2791, DEC 2010, vol. 8, no. 4, SI, p. 285-299. [WOS]
- MEIJERING, E. Neuron Tracing in Perspective. CYTOMETRY PART A. ISSN 1552-4922, JUL 2010, vol. 77A, no. 7, SI, p. 693-704. [WOS]
- ILLES, J. - REINER, P.B. Advances in Ethics for the Neuroscience Agenda. NEUROBIOLOGY OF BRAIN DISORDERS: BIOLOGICAL BASIS OF NEUROLOGICAL AND PSYCHIATRIC DISORDERS. 2015, p. 735-747. [WOS]
- LUUP, J. The Ernst Strongman Forum. LANGUAGE, MUSIC, AND THE BRAIN: A MYSTERIOUS RELATIONSHIP. 2013, p. VII-+. [WOS]
- KENNEDY, D.N. Musings of a Post-Stimulus MindEuro broken vertical bar. NEUROINFORMATICS. ISSN 1539-2791, JUN 2009, vol. 7, no. 2, p. 85-87. [WOS]
- BURK, D.L. Intellectual Property in the Context of e-Science. E-RESEARCH: TRANSFORMATION IN SCHOLARLY PRACTICE. 2009, vol. 1, p. 273-288. [WOS]
- KAZAWA, T. - IKENO, H. - KANZAKI, R. Development and application of a neuroinformatics environment for neuroscience and neuroethology. NEURAL NETWORKS. ISSN 0893-6080, OCT 2008, vol. 21, no. 8, SI, p. 1047-1055. [WOS]
- FOX, K. Barrel Cortex. BARREL CORTEX. 2008, p. 1-298. [WOS]
- FRENCH, L. - PAVLIDIS, P. Informatics in neuroscience. BRIEFINGS IN BIOINFORMATICS. ISSN 1467-5463, NOV 2007, vol. 8, no. 6, p. 446-456. [WOS]

- BOTA, M. - SWANSON, L.W. Online workbenches for neural network connections. JOURNAL OF COMPARATIVE NEUROLOGY. ISSN 0021-9967, FEB 10 2007, vol. 500, no. 5, p. 807-814. [WOS]
- BURK, D.L. Intellectual property in the context of e-science. JOURNAL OF COMPUTER-MEDIATED COMMUNICATION. ISSN 1083-6101, JAN 2007, vol. 12, no. 2. [WOS]
- LIU, Y. - ASCOLI, G.A. Value added by data sharing: Long-term potentiation of neuroscience research - A commentary on the 2007 SfN Satellite Symposium on Data Sharing. NEUROINFORMATICS. ISSN 1539-2791, 2007, vol. 5, no. 3, p. 143-145. [WOS]
- ASCOLI, G.A. Successes and rewards in sharing digital reconstructions of neuronal morphology. NEUROINFORMATICS. ISSN 1539-2791, 2007, vol. 5, no. 3, p. 154-160. [WOS]
- WAN, X. - PAVLIDIS, P. Sharing and reusing gene expression profiling data in neuroscience. NEUROINFORMATICS. ISSN 1539-2791, 2007, vol. 5, no. 3, p. 161-175. [WOS]
- DEDEURWAERDERE, T. The institutional economics of sharing biological information. INTERNATIONAL SOCIAL SCIENCE JOURNAL. ISSN 0020-8701, JUN 2006, vol. 58, no. 188, p. 351-+. [WOS]
- ASCOLI, G.A. Mobilizing the base of neuroscience data: the case of neuronal morphologies. NATURE REVIEWS NEUROSCIENCE. ISSN 1471-0048, APR 2006, vol. 7, no. 4, p. 318-324. [WOS]
- DEDEURWAERDERE, T. Database, biological information and collective action. Social Informatics: An Information Society for All?: IN REMEMBRANCE OF ROB KING. ISSN 1571-5736, 2006, vol. 223, p. 159-169. [WOS]
- SMALHEISER, N.R. - PERKINS, G.A. - JONES, S. Guidelines for negotiating scientific collaboration. PLOS BIOLOGY. ISSN 1545-7885, JUN 2005, vol. 3, no. 6, p. 963-964. [WOS]
- KOGA, H. - YUASA, S. - NAGASE, T. - SHIMADA, K. - NAGANO, M. - IMAI, K. - OHARA, R. - NAKAJIMA, D. - MURAKAMI, M. - KAWAI, M. - MIKI, F. - MAGAE, J. - INAMOTO, S. - OKAZAKI, N. - OHARA, O. A comprehensive approach for establishment of the platform to analyze functions of KIAA proteins II: Public release of inaugural version of InGaP database containing gene/protein expression profiles for 127 mouse KIAA genes/proteins. DNA RESEARCH. ISSN 1340-2838, AUG 31 2004, vol. 11, no. 4, p. 293-304. [WOS]
- KIKUCHI, S. - FUJIMOTO, K. - KITAGAWA, N. - FUCHIKAWA, T. - ABE, M. - OKA, K. - TAKEI, K. - TOMITA, M. Kinetic simulation of signal transduction system in hippocampal long-term potentiation with dynamic modeling of protein phosphatase 2A. NEURAL NETWORKS. ISSN 0893-6080, NOV 2003, vol. 16, no. 9, p. 1389-1398. [WOS]
- Ahmadi, M. - Ahmadi, L. Intellectual property rights of nanobioinformatics in related international conventions. (2015) Nanotechnology Law and Business, 12 (2), pp. 92-146.
- Bernardet, U. - Verschure, P.F.M.J. Iqr: A tool for the construction of multi-level simulations of brain and behaviour. (2010) Neuroinformatics, 8 (2), pp. 113-134.
- Dedeurwaerdere, T. The institutional dynamics of sharing biological information: Towards reflexive governance of the information society. (2007) IFIP International Federation for Information Processing, 233, pp. 121-146.
- Joshi, S.H. - Van Horn, J.D. - Toga, A.W. Interactive exploration of neuroanatomical meta-spaces. (2009) Frontiers in Neuroinformatics, 3 (NOV), art. no. 38.
- Mietchen, D. - Gaser, C. Computational morphometry for detecting changes in brain structure due to development, aging, learning, disease and evolution. (2009) Frontiers in Neuroinformatics, 3 (AUG), art. no. 25.
- Ribeiro, P. - Simonotto, J. - Kaiser, M. - Silva, F. Parallel calculation of multi-electrode array correlation networks. (2009) Journal of Neuroscience Methods, 184 (2), pp. 357-364.
- Verschure, P.F.M.J. The complexity of reality and human computer confluence: Stemming the data deluge by empowering human creativity. (2011) ACM International Conference Proceeding Series, pp. 3-6.

--- Wróbel, A. The need of neuroinformatic approach in functional neurophysiology. (2005) Acta Neurobiologiae Experimentalis, 65 (4), pp. 421-423.

Novák, Mirko - Kufudaki, Olga - Moos, P. - Musílek, P. - Pelikán, Emil - Šebesta, Václav

Umělé neuronové sítě. Teorie a aplikace.

Praha : C. H. Beck, 1998. 382 s. - (Učebnice informatiky). ISBN 80-7179-132-6

Citováno:

--- Santarius J. Systémy modelování prozódie syntetické řeči. Dizertační práce. Praha : ČVUT, 2005

--- HOSKOVCOVA, M. - DUBINA, P. - HALAMEK, E. - KOBLIHA, Z. IDENTIFICATION OF PAIRS OF ORGANOPHOSPHORUS WARFARE AGENTS THROUGH CHOLINESTERASE REACTION. ANALYTICAL LETTERS. ISSN 0003-2719, 2011, vol. 44, no. 15, p. 2521-2529. [WOS]

--- RUZEK, M. ARTIFICIAL NEURON WITH HOMEOSTATIC LEARNING. 16TH INTERNATIONAL CONFERENCE ON SOFT COMPUTING MENDEL 2010. ISSN 1803-3814, 2010, p. 242-245. [WOS]

--- HUBACEK, J. - BOBAL, V. NONLINEAR MODELING OF LABORATORY MODEL AMIRA DR300 BY FEEDFORWARD NEURAL NETWORK. MENDEL 2011 - 17TH INTERNATIONAL CONFERENCE ON SOFT COMPUTING. ISSN 1803-3814, 2011, p. 191-198. [WOS]

--- SKORPIL, V. - KRAL, M. New architecture of network elements. Personal Wireless Communications. ISSN 1571-5736, 2007, vol. 245, p. 669-678. [WOS]

Šebesta, Václav

Pruning of Neural Networks by Statistical Optimization.

Proceedings of the 6th Microcomputer School. Neural Networks Theory and Applications. Brno : CCB, 1994, s. 209-214. ISBN 80-2140564-3.

[Microcomputer School /6./. Sedmihorky (CZ), 18.09.1994-23.09.1994]

Citováno:

--- Novák M. Souhrnná zpráva o průběhu a výsledcích řešení grantu GA ČR 101/93/0430. in : Výzkumná zpráva V-603. Praha : UVIT AV ČR, (1994), pp. 15

--- Tučková J. Umělé neuronové sítě a rozpoznání izolovaných slov. in : Habilitační práce. Praha : ČVUT, (1997), pp. 84

--- Tučková J., Boreš P. The Neural Network Approach in Fundamental Frequency Control. in : Speech Processing. Selected Topics from the Czech-German Workshop. Frankfurt am Main : Wissenschaftliche Buchhandlung Theo Hector GmbH & Co, (1997), pp. 145-154

--- Tučková J., Strecha G. Automatic Labelling of Natural Speech by Comparisom with Synthetic Speech. in : ECMS'99. Liberec : Tech. University, (1999), pp. 156-159

Šebesta, Václav

Vybrané úlohy teorie tolerancí.

Praha : Academia, 1990. 134 s. - (Studie ČSAV, 16). ISBN 80-200-0056-9

Citováno:

- Novák M. Some Considerations on the Tolerances and Sensitivities of Artificial Neural Networks. in : Research Report V-495. Prague : ICIS CSAS, (1991), pp. 39
- Novák Mirko. Koncepce systémů s mimořádnou spolehlivostí. in : Výzkumná zpráva V-543. Praha : ÚIVT ČSAV, (1992)
- Novák M. Základy teorie provozní spolehlivosti a opravitelnosti systémů. in : Výzkumná zpráva V-569. Praha : ÚIVT AV ČR, (1993)

Šebesta, Václav - Straka, L.

Determination of Suitable Markers by the GUHA Method for the Prediction of Bleeding at Patients with Chronic Lymphoblastic Leukemia.

Medicon 98. Proceedings of the VIII Mediterranean Conference on Medical and Biological Engineering and Computing. Lemesos : University of Cyprus, 1998, nestr. ISBN 9963-607-13-6.
[Medicon 98. Mediterranean Conference on Medical and Biological Engineering and Computing /8/. Lemesos (CY), 14.06.1998-17.06.1998]

Citováno:

- HAJEK, P. - RAUCH, J. - COUFAL, D. - FEGLAR, T. The GUHA method, data preprocessing and mining. DATABASE SUPPORT FOR DATA MINING APPLICATIONS: DISCOVERING KNOWLEDGE WITH INDUCTIVE QUERIES. ISSN 0302-9743, 2004, vol. 2682, p. 135-153. [WOS]
- HAJEK, P. - HOLENA, M. - RAUCH, J. The GUHA method and foundations of (relational) data mining. THEORY AND APPLICATIONS OF RELATIONAL STRUCTURES AS KNOWLEDGE INSTRUMENTS. ISSN 0302-9743, 2003, vol. 2929, p. 17-37. [WOS]
- HAJEK, P. - HOLENA, M. - RAUCH, J. The GUHA method and its meaning for data mining. JOURNAL OF COMPUTER AND SYSTEM SCIENCES. ISSN 0022-0000, FEB 2010, vol. 76, no. 1, p. 34-48. [WOS]

Pelikán, Emil - Šebesta, Václav

Neural Network Learning Algorithms for Electric Load Forecasting.

Applications of Artificial Neural Networks 5. Bellingham : SPIE, 1994, s. 527-537.

ISBN 0-8194-1547-2. - (Proceedings of SPIE. 2243).

[Technical Conference. Orlando (US), 05.04.1994-08.04.1994]

 [DOI: 10.1117/12.170001](https://doi.org/10.1117/12.170001)

Citováno:

- Novák M. Souhrnná zpráva o průběhu a výsledcích řešení grantu GA ČR 101/93/0430. in : Výzkumná zpráva V-603. Praha : UIVT AV ČR, (1994), pp. 15
- Šnorek M., Jiřina M. in : Neuronové sítě a neuropočítače. Praha : ČVUT, (1996), pp. 123

Šebesta, Václav

Relations Between Tolerance Fields in the Frequency and Time Domain by Random Methods.

IEEE Transactions on Circuit Theory. CT-18, č. 1 (1971), s. 199-201

 [DOI: 10.1109/TCT.1971.1083231](https://doi.org/10.1109/TCT.1971.1083231)

Citováno:

--- ADBY, P.R. - BAXTER, J.R. TOLERANCE FIELD AND YIELD COMPARISONS OF INTEGRATED RC ACTIVE NETWORKS. INTERNATIONAL JOURNAL OF ELECTRONICS. ISSN 0020-7217, 1976, vol. 40, no. 3, p. 267-276. [WOS]

--- ADBY, P.R. - BAXTER, J.R. FREQUENCY-TO-TIME DOMAIN SENSITIVITY MATRIX. ELECTRONICS LETTERS. ISSN 0013-5194, 1973, vol. 9, no. 19, p. 455-457. [WOS]

Šebesta, Václav - Tučková, J.

Selection of Important Input Parameters for a Text-to-speech Synthesis by Neural Networks.

IJCNN'99. International Joint Conference on Neural Networks. Proceedings. Vol. 5. Piscataway : IEEE, 1999, s. 2965-2969.

[IJCNN'99. Washington (US), 10.07.1999-16.07.1999]

 [DOI: 10.1109/IJCNN.1999.835992](https://doi.org/10.1109/IJCNN.1999.835992)

Citováno:

--- Santarius J. Automatic Text Processing for the TTS Synthesis. in : *Speech Processing*. Prague : Institute of Radio Engineering and Electronics, (2001), pp. 37-39

--- Pornpanomchai, C. - Soontharanont, N. - Langla, C. - Wongsawat, N. A dictionary-based approach for Thai Text to Speech (TTTS). *Proceedings - 3rd International Conference on Measuring Technology and Mechatronics Automation, ICMTMA 2011*, 1, art. no. 5720696, pp. 40-43.

Tučková, J. - Šebesta, Václav

Prosody Optimisation of a Czech Language Synthesizer.

Neural Network World. Roč. 18, č. 4 (2008), s. 291-308. ISSN 1210-0552

Citováno:

--- PARRAS-GUTIERREZ, E. - DEL JESUS, M.J. - RIVAS, V.M. - MERLO, J.J. STUDY OF THE ROBUSTNESS OF A META-ALGORITHM FOR THE ESTIMATION OF PARAMETERS IN RADIAL BASIS FUNCTION NEURAL NETWORKS DESIGN. *NEURAL NETWORK WORLD*. ISSN 1210-0552, 2009, vol. 19, no. 1, p. 81-94. [WOS]

--- DAASSI-GNABA, H. - OUSSAR, Y. EXTERNAL VS. INTERNAL SVM-RFE: THE SVM-RFE METHOD REVISITED AND APPLIED TO EMOTION RECOGNITION. *NEURAL NETWORK WORLD*. ISSN 1210-0552, 2015, vol. 25, no. 1, p. 75-91. [WOS]

Coufal, David - Šebesta, Václav

GUHA Method Supported Analysis of EEG Signals and their Spectrograms.
Neurodynamics and Neuroinformatics Studies. Praha : Ústav informatiky AV ČR, FD ČVUT, 2005, s. 158-181. ISBN 80-903298-3-7. - (Edice monografií NNW. 4)

Citováno:

--- JIRINA, M. - BOUCHNER, P. - NOVOTNY, S. IDENTIFICATION OF DRIVER'S DROWSINESS USING DRIVING INFORMATION AND EEG. NEURAL NETWORK WORLD. ISSN 1210-0552, 2010, vol. 20, no. 6, p. 773-791. [WOS]

Šebesta, Václav

Centering Procedure for Neural Network Optimization and Pruning.
NEURONET'93. Proceedings of the International Scientific Conference on New Information Technology and Their Applications in Trade, Industry, Banking, Energetics, Ecology and Medicine. Prague : ICS AS CR, 1993, nestr.
[NEURONET'93. Prague (CZ), 20.09.1993-25.09.1993]

Citováno:

--- Mrázová Iveta. Internal Representation in BP-networks. in : Kandidátská disertační práce. Prague : ICS AS CR, (1997)

Šebesta, Václav

Strength and Weakness of Neural Networks.
Education and Research in Medical Informatics. Prague : EuroMISE Center of Charles University, 1994 - (Bemmel van, J.; Zvárová, J.), s. 40
[EuroMISE - International Working Conference. 01.06.1994-05.06.1994, Harrachov]

Citováno:

--- Novák M. Souhrnná zpráva o průběhu a výsledcích řešení grantu GA ČR 101/93/0430. in : Výzkumná zpráva V-603. Praha : UIVT AV ČR, (1994), pp. 15

Šebesta, Václav - Tučková, J.

Optimisation of Neural Network Topology and Input Parameters for Prosody Modelling of Synthetic Speech.
Recent Advances in Soft Computing. Nottingham : Nottingham Trent University, 2002 - (Lotfi, A.; Garibaldi, J.; John, R.), s. 31-36 ISBN 1-84233-0764.
[RASC 2002. International Conference on Recent Advances in Soft Computing /4./. Nottingham (GB), 12.12.2002-13.12.2002]

Citováno:

--- Santarius J. Systémy modelování prozódie syntetické řeči. in : Dizertační práce. Praha : ČVUT, (2005)

Tučková, J. - Šebesta, Václav

Artificial Neural Network Approach to the Modeling of Prosody in the Speech Synthesizer of the Czech Language.

Artificial Intelligence and Soft Computing. Anaheim : ACTA Press, 2007 - (del Pobil, A.), s. 1-6
ISBN 978-0-88986-693-5.

[ASC 2007. IASTED International Conference on Artificial Intelligence and Soft Computing /11./. Palma de Mallorca (ES), 29.08.2007-31.08.2007]

Citováno:

--- TUCKER, J.D. - AZIMI-SADJADI, M.R. Neyman Pearson Detection of K-Distributed Random Variables. DETECTION AND SENSING OF MINES, EXPLOSIVE OBJECTS, AND OBSCURED TARGETS XV. ISSN 0277-786X, 2010, vol. 7664. [WOS]