

## ANDRÁS G. RADVÁNYI, PUBLICATIONS & REPORTS

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### International Journals

- A1.** Z. Fodróczy, A.G. Radványi, „Localization of Directional Sound Sources Supported by a priori Information of the Acoustic Environment”, *EURASIP J. on Advances in Signal Processing*, Vol.2008 (2008), Article ID 287167, 14 pages, doi:10.1155/2008/28167  
IDÉZETEK SZÁMA: 2
- A1.-c1.** J. Dmochowski, J. Benesty, S. Affes, “Calibrated acoustic source localization”, *Communications*, 2008 24th Biennial Symposium on, 2008
- A2.** Z. Fodróczy, A.G. Radványi, „Computational auditory scene analysis in cellular wave computing framework”, *Int. J. of Circuit Theory and Applications*, Vol.34, No.4., pp. 489-515, 2006  
IDÉZETEK SZÁMA: 7
- A2.-c1.** V. Lanza, F. Corinto, M. Gilli, P.P. Civalleri, “Analysis of nonlinear oscillatory network dynamics via time-varying amplitude and phase variables”, *International Journal of Circuit Theory and Applications*, Vol. 35, pp.623-644, 2007
- A3.** A.G. Radványi, “On the rectangular grid representation of general CNN networks”, *Int. J. of Circuit Theory and Applications*, Vol.30, pp. 181-193, 2002 0.971  
IDÉZETEK száma: 23
- A3.-c1.** Cs. Rekeczky, I. Szatmári, P. Földesy, T. Roska: Analog cellular PDE machines, *Proceedings of the 2002 International Joint Conference on Neural Networks, 2002. IJCNN '02*, pp. 2033-2038, Vol. 3, Honolulu, USA, 2002.
- A3.-c2.** András Hajdu, “Neighbourhood sequences and character recognition by Walsh transformation”, *PhD Thesis*, University of Debrecen, Debrecen, Hungary, 2003.
- A3.-c3.** András Hajdu, “Geometry of neighbourhood sequences”, *Pattern Recognition Letters*. 24/15 (2003), 2597-2606. 0.809
- A3.-c4.** András Hajdu, Lajos Hajdu, “Velocity and distance of neighbourhood sequences”, *Acta Cybernet.* 16 (2003), 133-145.
- A3.-c5.** Turyn L, “Cellular Neural Networks: Asymmetric space-dependent templates, mosaic patterns, and spatial chaos” *International Journal of Bifurcation And Chaos* 14 (8): 2655-2665 Aug 2004

- A3.-c6.** Nagy B, "Characterization of digital circles in triangular grid"  
*Pattern Recognition Letters* 25 (11): 1231-1242 Aug 2004
- A3.-c7.** B. Nagy, "Generalised triangular grids in digital geometry", *Acta Mathematica Academiae Paedagogicae Nyiregyhaziensis*, pp. 63-78, Vol 20, 2004
- A3.-c8.** L. Török, T. Roska: "Stability of multi-layer cellular neural/nonlinear networks", *Int. J. on Bifurcation and Chaos*, pp. 3567-3586, Vol. 14, No. 10, 2004
- A3.-c9.** Chin-Teng Lin, Chao-Hui Huang: "Cellular neural networks for hexagonal image processing", *Proc of the 9th International Workshop on Cellular Neural Networks and Their Applications*, pp. 81-84, May 2005
- A3.-c10.** A. Zarándy, Cs. Rekeczky: "Bi-i: a standalone ultra high speed cellular vision system", *IEEE Circuits and Systems Magazine*, pp. 36-45, Vol. 5, No. 2, 2005
- A3.-c11.** L. Török, "Some Qualitative Phenomena in Cellular Wave Computing", *PhD Thesis*, Technical University of Budapest, Hungary, 2005
- A4.** A.G. Radványi, "Hypothetical simulation of non-linear systems with memory, using an ideal computer with infinite speed and capacity", *Int. J. of Circuit Theory and Applications*, Vol.28, No.1, pp. 3-29, 2000 0.971
- A5.** A.G.Radványi, "The Difference-Stereogram", *Journal of Mathematical Imaging and Vision*, Vol. 11, No. 3, pp. 255-275, Kluwer, 1999 0.617  
IDÉZETEK száma: 4
- A5.-c1.** Rosenfeld A. "Classifying the literature related to computer vision and image analysis ", *Computer Vision And Image Understanding*, 79: (2) 308-323 Aug 2000 1.894
- A5.-c2.** Mark S.K.Lau, C.P.Kwong, "Analysis of Echoes in Single-Image Random-Dot-Stereograms", *Journal of Mathematical Imaging and Vision*, Vol. 16, No. 1, pp. 69-79, Kluwer, 2002 0.617
- A5.-c3.** F Matsuura, N Fujisawa, "Anaglyph stereo visualization by the use of a single image and depth information" *Journal of visualization*, 2008 - content.iospress.com
- A6.** A.G.Radványi, "Structural Analysis of Stereograms for CNN Depth Detection", *IEEE Trans. on Circuits and Systems I: Special Issue on Bio-Inspired Processors and Cellular Neural Networks for Vision*, Vol. 46, No.2, pp. 239-252, 1999 1.061  
IDÉZETEK SZÁMA: 8
- A6.-c1.** Milanova M, Almeida PEM, Okamoto J, Simoes MG. "Applications of Cellular Neural Networks for shape from shading problem " *Machine Learning And Data Mining In Pattern Recognition*, Lecture Notes in Artificial Intelligence 1715: 51-63, 1999

- A6.-c2.** DH Rao, PP Panduranga: "Image Enhancement using Hysteretic Cellular Neural Network", *Proceedings of the International Conference on Cognition and Recognition*, Mandya, Karnataka, India, pp. 382-390, Dec 2005
- A7.** A.G. Radványi, L. Gáspár, G. Tóth, "CNUM Stereo Architecture and 3D Template Design Techniques", *Int. J. Circuit Theory and Applications*, Special Issue: Theory, Design and Applications of Cellular Neural Networks: Part II: Design and Applications, Vol.27, No.1, pp. 25-42, 1999 0.971
- A7.-c1.** Bizzarri F, Storace M, Parodi M, "Cellular non-linear networks for minimization of functionals. Part 2: Examples", *International Journal of Circuit Theory and Appl.*, Vol.29 (2). pp. 169-184, Mar-Apr 2001 0.971
- A8.** A.G. Radványi, "Spatial Depth Extraction Using Random Stereograms in Analogic CNN Framework", *Int. J. of Circuit Theory and Applications*, Vol. 24, No. 1, pp. 69-92, 1996 0.971  
IDÉZETEK száma: 7
- A8.-c1.** Taraglio S, Zanela A, "A practical use of cellular neural networks: the stereo-vision problem as an optimisation", *Machine Vision And Applications*, 11: (5) 242-251 Feb 2000 0.708
- A8.-c2.** Taraglio S, Zanela A, " Improving a real-time neural-based stereo vision system", *Real-Time Imaging*, 7: (1) 59-76 Feb 2001 0.512
- A8.-c3.** Zanela and S. Taraglio, "A Cellular Neural Network Based Optical Range Finder", *International Journal of Circuit Theory and Applications*, Vol.30, pp.271-285, 2002 0.971
- A9.** L. Nemes, G. Tóth, T. Roska, and A. Radványi: "Analogic CNN algorithms for 3D interpolation-approximation and object rotation using controlled switched templates", *Int. J. of Circuit Theory and Applications*, Vol. 24, No. 3, pp. 409-424, 1996 0.971  
IDÉZETEK száma: 16
- A9.-c1.** Storace M, Parodi M, Pastorino D, Tripodoro V, "A method for defining analog circuits for the minimization of discrete functionals: An image processing application", *Circuits Systems And Signal Processing*, 18: (5) 457-477 1999 0.280
- A9.-c2.** Storace M, Bizzarri F, Parodi M, "Cellular non-linear networks for minimization of functionals. Part 1: Theoretical aspects", *International Journal of Circuit Theory and Appl.*, Vol.29 (2). pp. 151-167, Mar-Apr 2001 0.971
- A9.-c3.** Bizzarri F, Storace M, Parodi M, "Cellular non-linear networks for minimization of functionals. Part 2: Examples", *International Journal of Circuit Theory and Appl.*, Vol.29 (2). pp. 169-184, Mar-Apr 2001 0.971

- A9.-c4.** A. Gacsádi and P. Szolgay, Interpolation of 2D signals using CNN, *Proceeding of the 15th IEEE European Conference on Circuit Theory and Design (ECCTD'01)*, Helsinki, Vol. 1. pp. 349-352, 2001
- A9.-c5.** C.Botoca: Romanian Bank-Notes Recognition Using Cellular Neural Networks, *Buletinul Științific al Universității "Politehnica" din Timișoara Seria ELECTRONICĂ și TELECOMUNICAȚII, TRANSACTIONS on ELECTRONICS and COMMUNICATIONS*, Tom 46(60), Fascicola 1, 2001
- A9.-c6.** Q. Gao, P. Messmer and G. S. Moschytz, "Binary Image Rotation Using Cellular Neural Networks", *Proceedings of the 2002 IEEE International Symposium on Circuits and Systems*, Vol.III, pp.113-116, 2002
- A9.-c7.** C.Botoca: Some Aspects of Cellular Neural Networks and Their Applications, *Buletinul Științific al Universității "Politehnica" din Timișoara Seria ELECTRONICĂ și TELECOMUNICAȚII, TRANSACTIONS on ELECTRONICS and COMMUNICATIONS*, Tom 48(62), Fascicola 1, 2003
- A9.-c8.** G. Constantini, D. Casali, M. Carota, and R. Perfetti, "Translation and rotation of grey-scale images by means of Analogic Cellular Neural Network", *Proceedings IEEE International Workshop on Cellular Neural Networks and their Applications (CNNA 2004)*, pp. 405-410, Budapest 2004
- A10.** T.Roska, G.Bártfay, P.Szolgay, T.Szirányi, A. Radványi, T.Kozek, Zs.Ugray and Á.Zarándy, "A digital multiprocessor hardware accelerator board for Cellular Neural Networks: CNN-HAC", *Int. J. of Circuit Theory and Applications*, Vol. 20, No. 5, pp. 589-600, 1992 0.971  
IDÉZETEK száma: 34
- A10.-c1.** L.O. Chua: CNN. II. Applications and VLSI circuit realizations, *Circuits and Systems, 1992., Proceedings of the 35th Midwest Symposium*, Vol. 1, pp. 146-149, Aug. 1992
- A10.-c2.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 "... digital hardware accelerator boards [...] can be utilized for exact simulation." 1.061
- A10.-c3.** D. Lim, G.S. Moschytz, A Programmable, Modular CNN Cell, *Proc. Third IEEE Int Workshop on Cellular Neural Networks and their Applications*, CNNA-94, pp.79-84, 1994  
" ... to consume less power ... than ... [...]"
- A10.-c4.** R.Dominguez-Castro, S. Espejo, A. Rodriguez-Vázquez, I. Garcia-Vargas, J.F. Ramos and R. Carmona, SIRENA: A Simulation Environment for CNNs, *Proc. Third IEEE Int Workshop on Cellular Neural Networks and their Applications*, CNNA-94, pp.417-422, 1994  
" ... many application have been reported [...]"

- A10.-c5.** L.O.Chua, M.Hasler, G.S.Moschytz and J.Neirynek, Autonomous Cellular Neural Networks: A Unified Paradigm for Pattern Formation and Active Wave Propagation, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 42, No.10, pp.559-577, 1995 " ... solving problems accurately and rapidly [..]" 1.061
- A10.-c6.** M Balsi, F Galluzzi, V Cimagalli: CNN Processor with Optical Input and Optical Space-Variant Programmability, *Proceedings of 1995 International Symposium on Nonlinear Theory and its Applications (NOLTA '95)*, pp. 667-672, December 1995
- A10.-c7.** G. Destri and P. Marenzoni, Cellular Neural Networks as a General Massively Parallel Computational Paradigm, *Special Issue of the International Journal of Circuit Theory and Appl.*, Vol.24. pp. 397-407, 1996 -- összehasonlítás -- 0.971
- A10.-c8.** M. Balsi, F. Galluzzi, V. Cimagalli, CNN Processor with Optical Input and Optical Space-Variant Programmability, *Proc. NOLTA'95 International Symposium on Nonlinear Theory and Application*, Vol.2. pp. 667-672, Las Vegas, 1995  
"... have been proposed and tested [..]"
- A10.-c9.** L.O. Chua, "CNN: A vision of complexity", *International Journal Of Bifurcation And Chaos*, 7: (10) 2219-2425 Oct 1997 1.014
- A10.-c10.** P. Arena, R. Caponetto, L. Fortuna, G. Manganaro: Cellular neural networks to explore complexity, *Soft Computing - A Fusion of Foundations, Methodologies and Applications*, pp. 120-136, Vol. 1, No. 3, Sept 1997
- A10.-c11.** Cs. Rekeczky, L.O. Chua: Computing with Front Propagation: Active Contour And Skeleton Models In Continuous-Time CNN, *The Journal of VLSI Signal Processing*, pp. 373-402, Vol. 23, No. 2-3, November 1999
- A11.** T.Roska, T.Boros, A.Radványi, P. Thiran and L.O.Chua, "Detecting moving and standing objects using cellular neural networks", *Int. J. of Circuit Theory and Applications*, Vol. 20, No. 5, pp. 613-628, 1992 0.971
- IDÉZETEK SZÁMA: 29
- A11.-c1.** R.Dominguez-Castro, S. Espejo, A. Rodriguez-Vázquez, I. Garcia-Vargas, J.F. Ramos and R. Carmona, SIRENA: A Simulation Environment for CNNs, *Proc. Third IEEE Int Workshop on Cellular Neural Networks and their Applications*, CNNA-94, pp.417-422, 1994  
" ... many application have been reported [..]"
- A11.-c2.** B.E.Shi, Spatio-temporal image filtering with cellular neural networks, *UMI Dissertation Services*, No.9504999, 1994

- A11.-c3.** G. Martinelli and R. Perfetti, Generalized Cellular Neural Network for Novelty Detection, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol.41, No.2, pp. 187-190, 1994  
"The difference is defined as in [..]:..." 1.061
- A11.-c4.** J.O.Osuna and G.S.Moschytz, Recognition of Acoustical Alarm Signals with Cellular Neural Networks, *Proc. of the 12th ECCTD'95*, Vol.2.pp.797-800, Istanbul, 1995  
"... a movement detection template [..]"
- A11.-c5.** J.O.Osuna, Recognition of Acoustical Alarm Signals with Cellular Neural Networks, *Series in Microelectronics*, Vol.49, Hartung-Gorre Verlag, 1995 "... a movement detection template [..]"
- A11.-c6.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 "... phenomenal progress ...[..]" 1.061
- A11.-c7.** Chai Wah Wu, Some Aspects of Order in Circuits and Systems, PhD. dissertation in EECS, University of California, Berkeley, 1995
- A11.-c8.** K.Slot, A cellular neural network for image objects area estimation, *Proc. of the Advanced Training Course: Mixed design of VLSI circuits*, Debe, Poland, 1994 "... many interesting solutions ...[..]"
- A11.-c9.** S. Arik and V. Tavsanoglu, On the Global Asymptotic Stability of Delayed Cellular Neural Networks, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 47, No.4, pp. 571-574, 2000 1.061
- A11.-c10.** S. Arik, On the Class of Globally Asymptotically Stable Cellular Neural Networks with Time Delay, *Proc: 15th IEEE European Conference on Circuit Theory and Design (ECCTD'01)*, Helsinki, Vol. III. Pp281-284, 2001
- A11.-c11.** P. Ecimovic and J. Wu, "Delay-driven Contrast Enhancement using a Cellular Neural Network with State-dependent Delay", *Proceedings of the IEEE International Workshop on Cellular Neural Networks and Their Applications (CNNA'2002)*, pp.202-208, Frankfurt, Germany, 2002
- A11.-c12.** T. Hidvégi, P. Keresztes, P. Szolgay "Enhanced Modified Analyzed Emulated Digital CNN-UM (CASTLE) Arithmetic Cores", *Journal of Circuits, Systems, and Computers*, special issue on "CNN Technology and Visual Microprocessors", Vol. 12, No. 6, pp. 711-738, 2003
- A11.-c13.** G. Constantini, D. Casali and R. Perfetti, "Analogic CNN algorithm for estimating position and size of moving objects", *International Journal of Circuit Theory and Applications*, Vol. 32, pp. 509-522, 2004 0.971

- A11.-c14.** B. Reljin, I. Krstic, P. Kostic, I. Reljin and D. Kandic, “CNN applications in modeling and solving non-electrical problems”, *Cellular Neural Networks: Theory and Applications*, Editors A. Slavova and V. Mladenov, Nova Science Publishers, Inc, New York, ISBN: 1-59454-040-3, pp. 135-172, 2004
- A11.-c15.** M.E. Yalcin, J.A. K. Suykens, J.P.L. Vandewalle, “Cellular Neural Networks, Multi-scroll Chaos and Synchronization”, *World Scientific Series on Nonlinear Science, Series A*, Vol. 50, ISBN 981-256-161-7, 2005
- A11.-c16.** Xuyang Lou, Baotung Cui, “Boundedness and exponential stability for nonautonomous RCNNs with distributed delays”, *Computers & Mathematics with Applications*, Vol. 54, Issue 4, pp. 589-598, 2007
- A11.-c17.** Deyou Liu, Jianhua Zhang and Xinping Guan, “Exponential Stability for cellular neural networks? An LMI approach”, *Journal of Systems Engineering and Electronics*, Vol. 18, Issue 1, pp. 68-71, 2007
- A11.-c18.** Xuyang Lou and Baotung Cui, “Boundedness and exponential stability for nonautonomous cellular neural networks with reaction-diffusion terms”, *Chaos, Solitons & Fractals*, Vol. 33, Issue 2, pp.653-662, 2007
- A11.-c19.** Y. Yang and Jinde Cao, “Stability and periodicity in delayed cellular neural networks with impulsive effects”, *Nonlinear Analysis: Real World Applications*, Vol. 8, Issue 1, pp. 362-374, 2007
- A12.** L.Bálint, G.Csibra, I.Czigler, A.Radványi, "The influence of Several Fundamental HCI Parameters on User Performance in Interactive CAD of Electronic Circuit Layouts" invited paper, *Int.J.of Computer Integrated Manufacturing*, 1991 Special Issue on "Human Factors in Manufacturing" 0.733
- A13.** Gy. Tamás Jr., É. Baranyi, A. Baranyi, A. Radványi, „Computerized Intravenous Glybenclamide Test in Early Diagnosis of Diabetes Mellitus”, *Endocrinologia Experimentalis*, Vol. 8, pp. 107-114, 1974
- A14.** Á.Csurgay, I.Abos, L.Bálint, M.Grill, A.Radványi, T.Roska, E.Windisch, „Rechnergestützte Konstruktion von elektronischen Schaltungen und Mikrowellenschaltungen”, *Nachrichtentechnik-Elektronik*, Vol. 23, No. 7., S.255, Juli, 1973

## **B International Conferences**

- B1.** L.Orzó, G.Mező, S.Tókes, A.Radványi, “Combined optically addressable spatial light modulator for affordable adaptive optics” *SPIE proceedings Vol. 7015*, Marseille, 2008

- B2.** Z. Fodróczy, A. Radványi, Gy. Takács, „Acoustic source localization using microphone arrays via CNN algorithms”, *Proc. of the 16th European Conference on Circuits Theory and Design, ECCTD'03*, Krakow, Poland, 2003  
IDÉZETEK SZÁMA: 4
- B3.** A.G.Radványi, "On the Rectangular Grid Representation of General CNN Networks", *Proceedings of the Sixth IEEE Int. Workshop on Cellular Neural Networks and Their Applications, (CNNA'2000)*, pp. 387-394, Catania, 2000
- B4.** A.G.Radványi, T.Kozek, L.O.Chua, "A CNN Solution for Depth Estimation from Binocular Stereo Imagery", *Proc. of the Fifth IEEE Int. Workshop on Cellular Neural Networks and their Applications (CNNA-98)*, pp.000-000., London, 1998
- B5.** T.Kozek, A.G.Radványi, L.O.Chua, "Detecting distances in a dynamic highway scenario via CNN", *Proc. 1997 International Symposium on Nonlinear Theory and its Application*, NOLTA, Hawaii
- B6.** B. Fehér, P. Szolgay, T. Roska, A.G. Radványi, T. Szirányi, M. Csapodi, K. László, L. Nemes, I. Szatmári, G. Tóth, P.L. Venetianer: ACE - a Digital Floating Point Emulator Engine, *Proceedings of CNNA'96 - 1996 Fourth IEEE International Workshop on Cellular Neural Networks and their Applications*, pp. 273-278, Seville, Spain, 1996  
IDÉZETEK száma: 10
- B6.-c1.** M.Perko, I.Fajfar, "Proposal for implementation of digital, non-microprocessor based CNN simulator, *Proc. of ECCTD97*, Vol. 2 , pp 609-614, Budapest, 1997 -- példa –
- B6.-c2.** Cs. Rekeczky, L.O. Chua: Computing with Front Propagation: Active Contour And Skeleton Models In Continuous-Time CNN, *The Journal of VLSI Signal Processing*, pp. 373-402, Vol 23, No. 2-3, November 1999
- B6.-c3.** M. Perko, I. Fajfar, T. Tuma, J. Puhan, "Low-Cost, High-Performance CNN Simulator Implemented in FPGA", *Proceedings of IEEE Int. Workshop on Cellular Neural Networks and Their Applications, (CNNA'2000)*, pp. 277-282, Catania, ISBN 0-7803-6344-2, 2000
- B6.-c4.** R. Carmona, R. Domínguez-Castro, S. Espejo and Á. Rodríguez-Vázquez, "Behavioural Modelling and Simulation of CNN Chips", *Towards the Visual Microprocessor - VLSI Design and Use of Cellular Network Universal Machines*, pp. 59-86, Chichester, Ed. by T.Roska and A.Rodríguez-Vázquez, J.Wiley, 2000
- B6.-c5.** V. Gruev, R. Etienne-Cummings: "Implementation of steerable spatio-temporal image filters on the focal plane", *IEEE Transactions on Circuits and Systems II: Analog and Digital Signal Processing*, pp. 233-244, Vol. 49, No. 4, Apr 2002
- B7.** T. Roska, P. Szolgay, Á. Zarándy, P.L. Venetianer, A. Radványi, and T. Szirányi: On a CNN chip-prototyping system, *Proceedings of CNNA'94 - 1994 Third IEEE International Workshop on Cellular Neural Networks and their Applications*, pp.375-380., Rome, Italy, 1994

- B7.-c1.** J. M. Cruz, L. O. Chua: A  $16 \times 16$  Cellular Neural Network Universal Chip: The First Complete Single-Chip Dynamic Computer Array with Distributed Memory and with Gray-Scale Input-Output, *Analog Integrated Circuits and Signal Processing*, pp. 227-237, Vol. 15, No. 3, March 1998
- B7.-c2.** Cs. Rekeczky, L.O. Chua: Computing with Front Propagation: Active Contour And Skeleton Models In Continuous-Time CNN, *The Journal of VLSI Signal Processing*, pp. 373-402, Vol 23, No. 2-3, November 1999
- B7.-c3.** A. Paasio, A. Kananen, K. Halonen and V. Porra, "A 48x48 CNN Chip for B/W Image Processing", *Towards the Visual Microprocessor - VLSI Design and Use of Cellular Network Universal Machines*, pp. 238-257, Chichester, Ed. by T.Roska and A.Rodriguez-Vázquez, J.Wiley, 2000
- B8.** A.G. Radványi : Solution of Stereo Correspondence in real Scene: an Analogic CNN Algorithm, *Proceedings of CNNA'94 - 1994 Third IEEE International Workshop on Cellular Neural Networks and their Applications*, pp.231-236., Rome, Italy, 1994
- B8.-c1.** S. Taraglio, and A. Zanela, Cellular Neural Networks for the Stereo Matching Problem, *Proc. of IEEE Int. Workshop on Cellular Neural Networks and their Applications CNNA-96*, Seville, pp. 93-98, 1996  
-- összehasonlítás (hibás) –
- B8.-c2.** B. Reljin, I. Krstic, P. Kostic, I. Reljin and D. Kandic, "CNN applications in modeling and solving non-electrical problems", *Cellular Neural Networks: Theory and Applications*, Editors A. Slavova and V. Mladenov, Nova Science Publishers, Inc, New York, ISBN: 1-59454-040-3, pp. 135-172, 2004
- B9.** M. Csapodi, L. Nemes, G. Tóth, T. Roska, and A. Radványi: Some novel analogic CNN algorithms for object rotation, 3D interpolation-approximation, and a "door-in-a-floor" problem, *Proceedings of CNNA'94 - 1994 Third IEEE International Workshop on Cellular Neural Networks and their Applications*, Rome, Italy, pp. 435-439, 1994  
IDÉZETEK SZÁMA: 6
- B9.-c1.** G. Constantini, D. Casali, M. Carota, and R. Perfetti, "Translation and rotation of grey-scale images by means of Analogic Cellular Neural Network", *Proceedings IEEE International Workshop on Cellular Neural Networks and their Applications (CNNA 2004)*, pp. 405-410, Budapest 2004
- B10.** T.Roska, A.Radványi, Cellular Neural Network and Analogic Microprocessor, *Proc. of the 6-th School on Neural Networks Theory and Application*, Sedmihorky, Czech Republic, 1994

- B11.** A.Radványi, Using cellular neural network to "see" random-dot stereograms, *Proc. of the 5th International Conference on Computer Analysis of Images and Patterns, CAIP'93*, Budapest, 1993. in *Lecture Notes in Computer Science*, Vol. 719, pp. 846-853, Springer Verlag, Berlin, 1993  
IDÉZETEK száma: 6
- B11.-c1.** T. Roska, T. Szirányi, Classes of analogic algorithms and their practical use in complex image processing task, *1995 IEEE Workshop on Nonlinear Signal and Image Processing*, Neos Marmaras, Halkidiki, Greece, June 20-22, 1995
- B11.-c2.** T. Szirányi, Robustness of Cellular Neural Networks in Image Deblurring and Texture Segmentation, *Special Issue of the International Journal of Circuit Theory and Appl.*, Vol.24. pp. 381-396, 1996 "... similar to cross correlation ... [..]" 0.971
- B11.-c3.** N. Takahashi, L. O. Chua, A New Sufficient Condition for Nonsymmetric CNN's to Have a Stable Equilibrium Point, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 44, No.11, pp.1092-1095, Nov, 1997.  
"The first example is the ERASEMASK template [..]" 1.061
- B11.-c4.** Salerno M, Sargeni F, Bonaiuto V, "A dedicated multi-chip programmable system for cellular neural networks", *Analog Integrated Circuits And Signal Processing*, 18: (2-3) 277-288 Feb 1999 0.254
- B11.-c5.** D. Monnin, A. Köneke and J. Héroult, „Boolean Design of Binary Initialized and Coupled CNN Image Processing Operators”, *Proceedings of the IEEE International Workshop on Cellular Neural Networks and Their Applications (CNNA'2002)*, pp.124-131, Frankfurt, Germany, 2002
- B12.** T.Roska, A.Radványi, T.Szirányi and P.Szolgay, On the applications of the cellular neural networks (CNN) paradigm, *Workshop on Neural Networks and their Applications*, Budapest, 1993
- B13.** Gy.Eröss, T.Boros, Á.Kiss, A.Radványi, T.Roska, J.Bitó and J.Vass, "Optical Tracking System for Automatic Guided Vehicles Using Cellular Neural Networks", *Proceedings of CNNA'92 - 1992 Second IEEE International Workshop on Cellular Neural Networks and their Applications*, Munich, Germany, pp.216-221, 1992
- B13.-c1.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 " in REFERENCES " 1.061
- B13.-c2.** V. Cimagalli, M. Balsi: Cellular Neural Networks: A Review, *Proceedings of Sixth Italian Workshop on Parallel Architectures and Neural Networks*, May 1993

- B13.-c3.** P. Szolgay, A. Katona, Á. Kiss, L. Székely, A. Veres, "An Optical Robot Path Tracking System", *Towards the Visual Microprocessor - VLSI Design and Use of Cellular Network Universal Machines*, pp. 344-350, Chichester, Ed. by T.Roska and A.Rodriguez-Vázquez, J.Wiley, 2000
- B14.** A.G.Radványi, "A Dual Model of Cyclopean Perception and its Applications Potentials in Artificial Stereopsis", *Proceedings of CNNA'92 - 1992 Second IEEE International Workshop on Cellular Neural Networks and their Applications*, Munich, Germany, pp.222-227, 1992
- B14.-c1.** Bing J. Sheu, Joongho Choi, *Neural Information Processing and VLSI*, in The Kluwer International Series in Engineering and Computer Science, Kluwer Academic Publishers 1995., p.147
- B14.-c2.** L.O.Chua, T.Roska, The CNN Universal Machine: An Analogic Array Computer, *IEEE Trans. on Circuits and Systems II: Analog and Digital Signal Processing*, Vol. 40, No.3, pp.163-173, March, 1993  
" in REFERENCES " 0.681
- B14.-c3.** L.O.Chua, T.Roska, T.Kozek and Á.Zarándy: The CNN Paradigm – A Short Tutorial, in *Cellular Neural Networks*, Ed: T.Roska and J.Vandewalle, J.Wiley & Sons, 1993 " in REFERENCES "
- B14.-c4.** V. Cimagalli, M. Balsi: Cellular Neural Networks: A Review, *Proceedings of Sixth Italian Workshop on Parallel Architectures and Neural Networks*, May 1993
- B14.-c5.** Th.Wu, B.J.Sheu, E.Y.Chou, Behavioral simulation of densely connected analog cellular array processors for high performance computing, *Analog Integrated Circuits and Signal Processing*, V. 10, pp.77-88, 1996 0.254
- B15.** L.Bálint, I.Czigler, A.Radványi, "A new way of increasing efficiency and reliability of human computer interaction" in CAD of PWB's; *Proc.of Symp.on Electronic Technology'90*, 1990 Bp.
- B16.** T.Roska, G.Bárfay, P.Szolgay, T.Szirányi, A. Radványi, T.Kozek, Zs.Ugray, "A hardware accelerator board for Cellular Neural Networks: CNN-HAC", *Proceedings of CNNA'90 - 1990 IEEE International Workshop on Cellular Neural Networks and their Applications*, pp.160-168, Budapest, Hungary, 1990
- B16.-c1.** N. Frühauf, E. Lüder, G. Bader, Fourier optical realization of cellular neural networks, *IEEE Trans. on Circuits and Systems II: Analog and Digital Signal Processing*, Vol. 40, No.3, pp.156-162, March, 1993 0.681
- B16.-c2.** R.Dominguez-Castro, S. Espejo, A. Rodriguez-Vázquez, I. Garcia-Vargas, J.F. Ramos and R. Carmona, SIRENA: A Simulation Environment for CNNs, *Proc. Third IEEE Int Workshop on Cellular Neural Networks and their Applications*, CNNA-94, pp.417-422, 1994  
" ... many application have been reported [..] "

- B16.-c3.** H. Harrer, *Discrete-Time Cellular Neural Networks*, Verlag Shaler, Aachen, 1992
- B16.-c4.** J.Henseler, *Connections, Neurons and Activation, The Organization of Representation in Artificial Neural Networks*, Proefschrift Maastricht, ISBN 90-9006624-1
- B17.** A. Radványi, „Analysis of Large Electronic Circuits via Topological Reductions”, *ECCTD '80 European Conference on Circuit Theory and Design*, Warsawa, 1980
- B18.** L. Bálint, A. Radványi, „A Bottom-Up Modeling and Top-Down Analysis Method for Large-Scale Circuits”, *Proc. of the 1980 Int. Conf. on Circuits and Computers*, Chicago, 1980
- B19.** A. Radványi, „An Efficient Algorithm for DC and Transient Analysis of MOS LSI Integrated Circuits”, *Proc. of the VI. Colloquium on Microwave Communication*, Vol. I., Budapest, 1978
- B19.-c1.** Shomodi A, "Comparison Of MOS-Transistor Models When Analyzing Electronic-Circuits Using A Computer", *Telecommunications And Radio Engineering*, 35-6: (7) 42-46 1981
- B20.** A. Baranyi, A. Radványi, „Volterra-Series Distortion Analysis of Distributed Parameter Nonlinear Circuits”, *Proc. of the Second International Symposium on Network Theory*, Herceg-Novi, Yugoslavia, July, 1972
- B21.** I.Abos, A.Radványi, „Interactive Design of Circuits”, *Proc. of the Summer School on Circuit Theory SSCT'71*, Tále, Czechoslovakia, Sept, 1971
- B22.** Á.Csurgay, I.Abos, M.Grill, A.Radványi, T.Roska, E.Windisch, „Computer Aided Design of Electronic and Microwave Circuits”, *Proc. of the Summer School on Circuit Theory SSCT'71*, Tále, Czechoslovakia, Sept, 1971
- B23.** L.Bálint, A.Radványi, Á.Csurgay, I.Abos, M.Grill, T.Roska, E.Windisch, „CAD of Electronic and Microwave Circuits”, *Proc. of the Telecommunication Conference*, Bukarest, November, 1971
- B24.** I. Abos, A. Baranyi, L. Bálint, Á. Csurgay, A. Radványi, „On the Computer Aided Design of Electronic and Microwave Circuits”, *Popov Kongresszus*, Moszkva, 1970

## C Books

- C1.** Radványi András, “Térészlelés”, fejezet, “Általános pszichológia I., Észlelés és figyelem”, szerk.: Csépe V., Ragó A., Győri M., OSIRIS kiadó, Bp., 2007
- C2.** A.G. Radványi, “A Depth Classification System”, Chapter 7.4, pp. 351-359, in book “*Towards the Visual Microprocessor - VLSI Design and the Use of Cellular Neural Network Universal Machine*” edited by T.Roska and A.Rodriguez-Vázquez, Chichester, John Wiley & Sons, (2000)

- C3. A.Radványi, Using cellular neural network to "see" random-dot stereograms, Proc. of the 5th International Conference on Computer Analysis of Images and Patterns, CAIP'93, Budapest, 1993. in *Lecture Notes in Computer Science* 719, pp. 846-853 Springer Verlag, Berlin, 1993
- C4. T.Roska, G.Bártfai, P.Szolgay, T.Szirányi, A.Radványi, T.Kozek, Zs.Ugray, Á.Zarándy, "A Digital Multiprocessor Hardware Accelerator Board for Cellular Neural Networks: CNN-HAC", *Cellular Neural Networks* (Szerk: T.Roska, J.Vandewalle), pp.151-161, John Wiley & Sons, 1993
- C5. Roska T., Adorján P., Bálint L., Fogaras A., Grill M., Radványi A., „Áramkörök tervezését segítő szimulációs programok és algoritmusai”, *TKI Évkönyv 1975*, II. kötet, Budapest, 1977
- C6. T.Roska, A.Radványi, M.Grill, M.Herpy, T.Tatai, „The Use of Circuit Analysis Programs in the Design of Telecommunication Circuits”, *Annual of the Research Institute for Telecommunications*, Budapest, 1973
- C7. Abos I., Baranyi A., Bálint L., Csurgay Á., Radványi A., „Az elektronikus és mikrohullámú áramkörök számítógéppel segített tervezéséről”, *A Távközlési Kutató Intézet Jubileumi évkönyve, 1950-1970*, Bp. 1971

#### **D National Journal**

- D1. Lakos A., Radványi A., Nagy Gy., “Automata immunoblot analízis (AIBA) Lyme Boreliosys (LB) diagnosztizálására”, Magyar Infektológiai Társaság Vándorgyűlés, 1998 okt. 9-10, Szeged, *Infektológia és Klinikai Mikrobiológia*, 5. évf. 1. szupplementum, 26. old, 1998.5.S1.26
- D2. A.Radványi, Using CNN to "see" random-dot stereograms - dual CNN models of stereo vision, *J. on Communications*, Vol. XLIV, pp. 9-17 (1993)  
A.G.Radványi, T.Roska, "The CNN workstation", *J. on Communications*, Vol. XLIV, pp. 27-33 (1993).
- D3. A.G.Radványi, T.Roska, "The CNN workstation", *J. on Communications*, Vol. XLIV, pp. 27-33 (1993).
- D4. Csurgay Á., Roska T., Abos I., Bálint L., Radványi A., Szolgay P., Sárossy J., Váradí I., „Automaták alkalmazása az elektronikai tervezésben”, *Híradástechnika*, XXXVII. kötet, 6. szám, 247-253 old., 1986
- D5. Baranyi A., Radványi A., „Nagyfrekvenciás tranzisztorok modellezése számítógépes áramkörtervezés céljaira”, *Magyar Híradástechnika*, XXIII. évf., 12. szám, 1972
- D6. Csurgay Á., Abos I., Grill M., Radványi A., Roska T., Windisch E., „Számítógépek alkalmazása információközlő berendezések tervezésében”, *Automatizálás*, 9.szám, 1971

## E National Conferences

- E1.** Grill M., Radványi A., Windisch E., „Koncentált és elosztott paraméterű hálózatok egyenáramú, frekvenciatartománybeli, tolerancia és hőmérsékleti analízise”, III. Országos Elektronikus Műszer- és Méréstechnikai Konferencia, Budapest, 1972. március, illetve *A Távközlési Kutató Intézet Közleményei*, XVII. évf., 3. szám, Budapest, 1972
- E2.** Baranyi É., Tamás T., Baranyi A., Radványi A., „Az intravénás Glibenclamid-próba értékelése számítógép segítségével”, *A Magyar Farmakológus Társaság II. Vándorgyűlése*, Pécs, 1972 szeptember
- E3.** Csurgay Á., Abos I., Bálint L., Grill M., Radványi A., Roska T., Windisch E., „Elektronikus és mikrohullámú áramkörök gépi tervezéséről”, *Számítógéptechnika '71 Konferencia*, Esztergom, 1971
- E4.** Abos I., Baranyi A., Bálint L., Csurgay Á., Radványi A., „Az elektronikus és mikrohullámú áramkörök számítógépes tervezéséről”, *COMPCONTOL 70 Konferencia*, Miskolc, 1970 július

## F Research reports, working papers

- F1.** Radványi András, "Általános CNN hálózatok reprezentációja négyzetes rácson", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory*, (DNS-2-1999), Budapest, MTA SZTAKI, 1999
- F2.** G. Tóth, T. Roska, A. Radványi, "Analogic CNN Algorithm for 3D Interpolation-Approximation, *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-2-1995. Budapest, MTA SZTAKI, 1995.
- F3.** A.G. Radványi, "Random Stereograms in Analogic CNN Framework - Depth Detection", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory*, DNS-6-1995. Budapest, MTA SZTAKI, 1995.
- F4.** *CNNM Multi-Layer Cellular Neural Networks Simulator V.6., User's guide* (A. Radványi, P.L. Venetianer and Á. Zarándy), MTA SZTAKI, 1994.
- F4.-c1.** J.M.Cruz and L.O.Chua, Application of Cellular Neural Networks to Model Population Dynamics, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 42, No.10, pp. 715-720, 1995 " in REFERENCES " 1.061
- F4.-c2.** R. Kunz, R. Tetzlaff, and D. Wolf, SCNN: A Universal Simulator for Cellular Neural Networks, *Proc. of IEEE Int. Workshop on Cellular Neural Networks and their Applications* CNNA-96, Seville, pp. 255-259, 1996 " in REFERENCES "
- F4.-c3.** P. Szolgay, I. Szatmári, K. László, "A Fast Fixed Point Learning Method to Implement Associative Memory on CNN's, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications* Vol. 44, No.4, pp. 362-366, 1997 " in REFERENCES " 1.061

- F5.** P.L. Venetianer, A.G. Radványi and T. Roska, ACL: an analogical CNN language (version 2), *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-3-1994. Budapest, MTA SZTAKI, 1994
- F5.-c1.** Tao Yang, Lin-Bao Yang, Xiu-Ping Yang, Application of a Cellular Neural Network to Facial Expression Animation and High-level Image Processing, *Special Issue of the International Journal of Circuit Theory and Appl.*, Vol.24. pp. 425-450, 1996 " in REFERENCES " 0.971
- F6.** A.Radványi, "Hypothetical simulation of non-linear systems with memory, on an idealistic computer of infinite speed and capacity", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-2-1993, MTA-SzTAKI
- F7.** Gy.Eröss, A.Radványi, T.Boros, Á.Kiss, P.Lantos, J.Bitó, T.Roska, and J.Vass, "Optical Tracking System for Automatic Guided Vehicles Using Cellular Neural Networks", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-15-1992, MTA-SzTAKI
- F8.** A.Radványi, P.L.Venetiánér and Á.Zarándy, "CNNM Multi-Layer Cellular Neural Network Simulator, Version 2.4.1992. User's guide", DNS-12-1992, MTA-SZTAKI
- F9.** A.Radványi, "Using CNN to "see" random-dot stereograms - Dual CNN models of stereo vision ", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-7-1992, MTA-SZTAKI
- F10.** *CNN Workstation User's guide* DNS-10-1992, MTA-SZTAKI
- F11.** A.Radványi and Á.Zarándy, "CNNHAC Cellular neural Network Simulator Using Hardware Accelerator Board, Version 5.0.1992. User's guide", DNS-11-1992, MTA-SZTAKI
- F12.** A.Radványi, P.L.Venetiánér and Á.Zarándy, "CNNM Multi-Layer Cellular Neural Network Simulator, Version 2.4.1992. User's guide", DNS-12-1992, MTA-SZTAKI
- F12.-c1.** S. Jankowski, C. Mazur and R. Wanczuk, Some problems of molecular physics solved by CNN, *Proc. NOLTA '93*, Vol.1. pp.17-22, Hawaii, Dec 1993
- F13.** T.Roska, A.Radványi, and Á.Zarándy, "DUALCOMP Dual CNN Compiler to CNN-HAC1 Board,, Version 2.0.1992. User's guide", DNS-13-1992, MTA-SZTAKI
- F14.** T.Boros, K.Lotz, A.Radványi and T.Roska, "Some useful, new, nonlinear and delay-type templates", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-1-1991, MTA-SZTAKI.
- F14.-c1.** Bing J. Sheu, Joongho Choi, *Neural Information Processing and VLSI*, in The Kluwer International Series in Engineering and Computer Science, Kluwer Academic Publishers 1995., p.147

- F14.-c2.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 1.061
- F15.** Gy.Eröss, T.Boros, J.Bitó and A.Radványi, "A new, optical tracking method for robot cars using cellular neural networks", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-6-1991, MTA-SZTAKI.
- F16.** T.Roska, T.Radványi, T.Kozek and T.Boros, "Dual CNN software library", DNS-7-1991, MTA-SZTAKI.
- F16.-c1.** S. Jankowski, C. Mazur and R. Wanczuk, Some problems of molecular physics solved by CNN, *Proc. NOLTA '93*, Vol.1. pp.17-22, Hawaii, Dec 1993
- F16.-c2.** Chun-Ying Ho and S. Mori, An Optimized Synthesis of a Discrete - Time Cellular Neural Network for Parallel Thinning, *Int.J. of CTA*, Vol.22. No.5. pp. 303-375, 1994 0.971
- F16.-c3.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 1.061
- F17.** A.Radványi, K.Halonen and T.Roska, "The CNNL simulator and some time varying CNN templates", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-9-1991, MTA-SZTAKI.
- F17.-c1.** L.O. Chua: CNN. II. Applications and VLSI circuit realizations, *Circuits and Systems, 1992., Proceedings of the 35th Midwest Symposium*, Vol. 1, pp. 146-149, Aug. 1992
- F17.-c2.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993. 1.061
- F18.** A.Radványi and T.Roska, "The CNN workstation - CNND Version 4.1", DNS-12-1991, MTA-SZTAKI.
- F18.-c1.** L.O. Chua: CNN. II. Applications and VLSI circuit realizations, *Circuits and Systems, 1992., Proceedings of the 35th Midwest Symposium*, Vol. 1, pp. 146-149, Aug. 1992
- F18.-c2.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 1.061
- F19.** T.Roska, T.Boros, A.Radványi, P. Thiran and L.O.Chua, "Detecting simple motion using Cellular Neural Networks", *Research report of the Analogic (Dual) and Neural Computing Systems Laboratory* DNS-15-1991, MTA-SZTAKI
- F20.** "Nyomtatott lap tervező-gyártó-ellenőrző (TGE) rendszer; folyamatelemző-ellenőrző és 'add-on-board' mérő-programozó mintamunkahely", *OMFB zárójelentés*, MTA SzTAKI, Budapest, 1990 november

- F21.** T.Roska, A.Radványi, "CNND simulátor, Cellular Neural Network Embedded in a Simple Dual Computing Structure, Version 3.01, User's guide", *Report 37(1990)*, Comp.Aut.Inst., HAS (MTA SzTAKI), 1990
- F21.-c1.** L.O.Chua, T.Roska, The CNN Paradigm, *IEEE Trans. on Circuits and Systems I: Fundamental Theory and Applications*, Vol. 40, No.3, pp.147-156, March, 1993 1.061
- F22.** "Logika és Layout együttes tervezését biztosító 32 bites processzorú szemályi számítógépen kialakított rendszer – LOLA", MTA SzTAKI Elektronikai TGE Rendszerek Elmélete Kutatócsoport, Budapest, 1989
- F23.** BOSS – Tervezői Keretrendszer és Eseményvezérelt Animáció, Dokumentáció, MTA SzTAKI Elektronikai TGE Rendszerek Elmélete Kutatócsoport, Budapest, 1988
- F24.** SPHINX – Kapcsolási rajz és Blokkvázlat Interaktív Szerkesztés, Dokumentáció, MTA SzTAKI Elektronikai TGE Rendszerek Elmélete Kutatócsoport, Budapest, 1988
- F25.** "Elektronikai Társas Tervezői Munkahely (ETTM)", Összefoglaló dokumentáció a logika-layout és a hardware-software együttes szimuláció megvalósításáról, MTA SzTAKI Elektronikai TGE Rendszerek Elmélete Kutatócsoport, Budapest, 1988
- F26.** "Hálózatok strukturált leírása – INPUT MODUL – Határfelületek", A nyelv leírása, felhasználói, fejlesztői, telepítési és üzemeltetési dokumentáció, MTA SzTAKI, Budapest, 1983
- F27.** Adorján P., Fné Orosz J., Radványi A., „Analóg szimulációs AUTER programok vállalati bevezetése: feltételek esettanulmányok, javaslatok”, *TKI Intézeti Tanulmány*, TKI-I-81-1210-1, Budapest, 1981
- F28.** Bálint L., Koltay M., Radványi A., Roska T., Somogyi A., Trutz S., Ugray L., Veszely Gy., Zombory L., „A technológiai folyamat és az elektromos modellek kapcsolata az LSI-KFT technológiáiban”, *TKI Intézeti Tanulmány*, TKI-I-80-941-1, Budapest, 1980
- F29.** Radványi A., Somogyi A., „ANAL 20 – MOS analízis program, *Alkalmazói segédlet*, TKI, Budapest, 1979
- F29.-c1.** Nemes M, "Driving Large Capacitances In MOS LSI Systems ", *IEEE Journal Of Solid-State Circuits*, 19: (1) 159-161 1984 2.035
- F30.** Abos I., Radványi A., „Kisgépes AUTER keretmodul kidolgozása az 1977-ben készített rendszerterv alapján”, *TKI Intézet Tanulmány*, TKI-I-78-944-8, Budapest, 1978
- F31.** Radványi A., „MOS LSI áramkörök DC és tranziens analízis algoritmusai”, az „Analóg szimulációs programok algoritmusai LSI áramkörök tervezésében”, *TKI Intézet Tanulmány* 2. fejezete, TKI-I-77-941-1, Budapest, 1977

- F32.** Abos I., Radványi A., Hámori M., „Az AUTER rendszer keretrendszere R10/R12 kisszámítógépen”, *TKI Intézet Tanulmány*, TKI-I-77-942-1, Budapest, 1977
- F33.** Radványi A., Somogyi A., „MOS LSI áramkörök tranziens analízise – ANAL 20 alkalmazói programcsomag, *TKI Intézet Tanulmány*, Budapest, 1977
- F34.** Radványi A., Scsaurszki P., Abos I., Bálint L., Bodrog L., Grill M., Roska T., „Az AUTER rendszerben írt alkalmazói programokat csatlakoztató közös input/output rendszer. Az INPUT MODUL felhasználói dokumentációja és implementálási leírása ICL SYSTEM 4 és R 30 számítógépekre”, *TKI Intézet Tanulmány*, TKI-I-76-322-10, Budapest, 1976
- F35.** Csurgay Á., Roska T., Abos I., Bálint L., Bodrog L., Grill M., Radványi A., Scsaurszki P., „Az AUTER rendszer programjaival szemben támasztott követelmények. A rendszer bevezetése a szocialista országok egységes rendszerébe”, *TKI Intézet Tanulmány*, TKI-I-75-321-1, Budapest, 1975
- F36.** Radványi A., „ANAL 11 – AC, tolerancia, zaj és torzításvizsgáló program”, *Felhasználói dokumentáció*, TKI, Budapest, 1975
- F37.** Csurgay Á., Németh J., Neményi A., Roska T., Abos I., Bálint L., Radványi A., Scsaurszki P., „Automatizált tervezési és kísérleti realizálási /AUTER/ rendszer rádióelektronikai és számítástechnikai eszközök, áramkörök és berendezések kidolgozására”, *TKI Intézet Tanulmány*, TKI-I-74-321-8, Budapest, 1974
- F38.** A. Radványi, „AC, Noise, Sensitivity and Distortion Analysis of Electronic and Microwave Circuits – User’s Manual of programme KANAL/CDC 6600 L.M.Ericsson, Stockholm, 1974
- F39.** Németh J., Radványi A., Scsaurszki P., „Előkészítő tanulmány a TKI szatellitgépészeti, időosztásos gépi tervezési szolgáltató rendszer rendszertervéhez”, *TKI Intézet Tanulmány*, TKI-I-73-321-10, Budapest, 1973
- F40.** Radványi A., „Lináris áramkörök frekvenciatartománybeli /AC/, zaj, tolerancia és hőmérsékleti analízise – ANAL7”, *TKI Intézet Tanulmány*, TKI-I-72-322-7, Budapest, 1972
- F41.** Grill M., Radványi A., Windisch E., „Koncentrált és elosztott paraméterű hálózatok egyenáramú, frekvenciatartománybeli, tolerancia és hőmérsékleti analízise”, III. Országos Elektronikus Műszer- és Méréstechnikai Konferencia, Budapest, 1972. március, illetve *A Távközlési Kutató Intézet Közleményei*, XVII. évf., 3. szám, Budapest, 1972
- F42.** Csurgay Á., Bálint L., Grill M., Radványi A., Roska T., Windisch E., „Számítógépek alkalmazása áramkörök tervezésében”, *A Távközlési Kutató Intézet Közleményei*, XVII. évf., 1. szám, Budapest, 1972
- F43.** Grill M., Radványi A., Nagyné-Windisch E., „Lináris működésű áramkörök DC, AC és tolerancia analízise a hőfokfüggés figyelembevételével”, *TKI Intézet Tanulmány*, TKI-I-71-321-1/2. fejezet, Budapest, 1971

- F44.** Roska T., Baranyi A., Csurgay Á., Abos I., Aczél Gy., Adorján P., Bálint L., Grill M., Kovács Zs., Windisch E., Radványi A., Rác E., Simonyi E., „Elektronikus áramkörök számítógéppel segített tervezése”, *TKI Intézet Tanulmány*, TKI-I-71-321-1/I-IV., Budapest, 1971
- F45.** Aczél Gy., Baranyi A., Bálint L., Csurgay Á., Grill M., Kovács Zs., Radványi A., Roska T., Simonyi E., Windisch E., „Elektronikus és mikrohullámú áramkörök tervezését alátámasztó számítógép programrendszer”, *TKI Intézet Tanulmány*, TKI-I-70-321-5/I-II., Budapest, 1970
- F46.** Grill M., Radványi A., Windisch E., „Elektronikus és mikrohullámú áramkörök dc, ac, tolerancia és hőmérsékleti analízise”, *TKI Intézet Tanulmány*, TKI-I-70-321-5/2. fejezet, Budapest, 1970
- F47.** Baranyi A., Radványi A., „Kisnemlineáritású áramkörök torzításanalízise”, *TKI Intézet Tanulmány*, TKI-I-70-321-5/4. fejezet, Budapest, 1970
- F48.** Baranyi A., Radványi A., „Nagyfrekvenciás tranzisztorok modellezése”, *TKI Intézet Tanulmány*, TKI-I-69-321-6, Budapest, 1969
- F49.** Abos I., Radványi A., „Lineáris áramkörök frekvenciatartománybeli interaktív /on-line/ tervezése”, *TKI Intézet Tanulmány*, TKI-I-69-321-9, Budapest, 1969

## **H RADVANYI A USERS DOCUMENTATION 1980**

- H1.-c1.** Nemes M, "Driving Large Capacitances In MOS LSI Systems ", *IEEE Journal Of Solid-State Circuits*, 19: (1) 159-161 1984 2.035

## **I Egyéb**

- I1.** Radványi András, „A PERSPEKTÍVA fejlődése az ókortól Canalettoig”, Jedlik Laboratories Reports „Csurgay Árpád 80 éves”, Vol. IV/No. 2, JLR-2/2016, Faculty of Information Technology and Bionics, Pázmány University Press, Bp.
- I2.** Patkó Tamás (HEXIUM Kft.), Radványi András (MTA SzTAKI), „IKTA-019/2000, Triclops HW-SW rendszer - 3D felületmodellezés”, *OMFB nyilvános szakmai fórum (Oktatási Minisztérium Kutatás-fejlesztési Helyettes Államtitkárság)*
- I3.** Radványi András, „Hogyan látunk térben?” 1-4 és „Hogyan lát(tat)unk térben?” 5-6, cikksorozat, *Digitális Fotó Magazin*, 2003. december – 2004. szeptember