

**FORMAT
EUROPEAN
CURRICULUM VITAE**



INFORMATII PERSONALE

Nume
Nationalitate
Data nasterii

Goraș Liviu
Română

EXPERIENTA PROFESIONALA

- Perioada
- Numele si adresa angajatorului
- Tipul activitatii sau Sector de activitate
- Functia sau postul ocupat
 - Principalele activitati si responsabilitati

1. 1995- prezent 2. 1990-1995 3. 1978-1990 4. 1973-1978 5. 1971-1973
1,2. Universitatea Tehnică „Gh. Asachi” Iași, Facultatea de Electronică, Telecomunicații și Tehnologia Informației
3,4. Universitatea Tehnică „Gh. Asachi” Iași Facultatea de Electrotehnică
5. Institutul de Chimie Macromoleculară „P.Poni” Iași
1-3. Cursuri predate Antene si Propagare, Electronica Funcțională, Semnale, Circuite si Sisteme, Sinteza Circuitelor, Chestiuni Speciale de Teoria Semnalelor si Sistemelor, Circuite Integrate Analogice pentru Prelucrarea Semnalelor.
4. Seminar și laborator la disciplina Bazele Electrotehnicii
5. Sectorul de polimeri semiconductori
1. profesor 2. conferențiar 3. șef de lucrări 4. asistent 5. cercetător
1-4. Activități didactice și de cercetare în domeniul ingineriei electrice și electronice
5.Cercetarea în domeniul caracterizării electrice a substanțelor

EDUCATIE SI FORMARE

- Perioada
- Numele si tipul institutiei de invatamant si al organizatiei profesionale prin care s-a realizat formarea profesionala
- Domeniul studiat/aptitudini ocupationale
- Tipul calificarii/Diploma obtinuta
- Nivelul de clasificare a formei de instruire/invatamant

1. 1994-1995 2. 1993-1998 3. 1966-1971 4. 1963-1966
1. Bursier (Senior) Fulbright, 2. Doctor 3. Inginer 4. Bacalaureat

1. Rețele neuronale celulare, circuite neliniare 2. Doctor în Bazele Electrotehnicii
3. Inginer electrotehnic 4. Bacalaureat
1. UC Berkeley 2. Institutul Politehnic „Gh. Asachi” Iași, Facultatea de Electrotehnică 3. Institutul Politehnic „Gh. Asachi” Iași, Facultatea de Electrotehnică, Secția Electromecanică
4. Liceul “C. Negruzzi” Iași
3. Șef de promoție la nivel de facultate
4. Șef de promoție la nivel de liceu

**APTITUDINI SI COMPETENTE
PROFESIONALE**

Dobandite in cursul vietii si carierei
dar care nu sunt recunoscute
neaparat printr-un certificate sau o
diploma.

LIMBA MATERNA

Română

LIMBI STRAINE CUNOSCUTE

- abilitatea de a citi
- abilitatea de a scrie
- abilitatea de a vorbi

Engleza

Foarte bine
Foarte bine
Foarte bine

Franceza

Bine
Satisfăcător
Satisfăcător

**APTITUDINI SI COMPETENTE
SOCIALE**

Câteva funcții administrative in UTI (detaliat mai jos) , director al unor proiecte de cercetare obținute prin competiție
Membru in Consiliul profesoral al facultăților de Electrotehnică și apoi Electronică și Telecomunicații din 1991
Membru în Senatul UTI din 1991

**APTITUDINI SI COMPETENTE
ORGANIZATORICE**

Secretar științific al facultății de Electrotehnică din Iași 1990-91
Prodecan al Facultății de Electronică și Telecomunicații din Iași 1991-1993
Prorector cu relații internaționale a Universității Tehnice "Gh. Asachi" 1996-2000
Chairman al Chapter-ului IEEE de Circuite și Sisteme Secțiunea Romania, 1997-2002;
Vice-președinte IEEE Secțiunea Romania 2001-2004;
Membru correspondent IEEE CAS Soc. Conference Publication Committee 2001-2002;
Conducător de doctorat din 1995
Inițiatorul și organizatorul principal al Simpozionului Internațional de Semnale, Circuite și Sisteme , ISSCS desfășurat odată la doi ani din 1993 sub egida IEEE, ultimele trei ediții cotate ISI Proceedings

**APTITUDINI SI COMPETENTE
TEHNICE**

Domenii de interes: teoria semnalelor, analiza și sinteza circuitelor electronice liniare și neliniare, rețele neuronale celulare, proiectare VLSI.
3 cărți (2 în străinătate, co-editor), 43 lucrări în reviste (14 ISI, 17 în străinătate), 101 lucrări la conferințe (44 în străinătate), 12 brevete naționale

**ALTE APTITUDINI ȘI
COMPETENȚE**

Membru al Academiei de Științe Tehnice din România
Senior Member IEEE
Medalia IEEE a celui de al treilea mileniu
Medalia Meritul pentru Învățământ Clasa I
Directorul Centrului de Cercetare COSEN acreditat CNCSIS de tip B;
Diploma de Honorary Texan
Diferite diplome ale Senatului UTI, IEEE, ș.a.

PERMIS DE CONDUCERE

Categoria B

List of publications (Liviu Goraş)

Books

1. Liviu Goraş, 1994, "Signals, Circuits and Systems", (in Romanian) "Gh. Asachi" Press, Iasi, 500 pages;
2. L. Goraş, S. Ablameyko, V. Piuri and M. Gori (editors), 2003, "Neural Networks for Instrumentation, Measurement and Related Industrial Applications", Volume 185 NATO Science Series: Computer & Systems Sciences, 340 pages;
3. V. Piuri, M. Gori, S. Ablameyko and L. Goraş, (editors), 2003, "Limitations and Future Trends in Neural Computation", Volume 186 NATO Science Series: Computer & Systems Sciences, 256 pages;

Papers published in foreign journals

1. Cr. Simionescu, Sv. Dumitrescu, I. Negulescu, V. Percec, M. Grigoras, I. Diaconu, M. Leanca, L. Goraş, 1974, "Properties of Polymers Based on Acetylene Aromatic Derivates" Visokomolekularnie Soedinenia, Tom (A) XV, nr.4;
2. L. Goraş, 1979, "The X-Controlled Scaler and Its Applications to Network Synthesis"; IEEE Trans. Circuits and Syst., vol. CAS-26, no.4, April, pp 288-290;
3. L. Goraş, 1981, "Linear and Nonlinear Mutators Derived from GIC-Type Configurations"; IEEE Trans. Circuits and Syst., vol. CAS-28, no. 2, pp 165-168, February;
4. L. Goraş, C. Marcuta, 1985, "Comment on "A New Technique for Inductance to Time Period Conversion Using Integrated Circuit Operational Amplifiers""; IEEE Trans. on Industrial Electronics, vol. IE-32, no.1, pp 85, February;
5. D. Alexa, L. Goraş, 1990, "Power Active Filter Based on PAM Principle"; ETZ-Archiv no. 4, pp 139-142;
6. L. Goraş, C. Marcuta, 1993, "On Linear Inductance and Capacitance Time Conversions Using NIC-Type Configurations", IEEE Trans. on Industrial Electronics, vol 40, nr.5, oct, pp 529-531;
7. L. Goraş, C. Davideanu, 1994, "On a Class of Constant Shaping Envelope Functions", AEÜ, Germany, vol. 48, nr.1, pp 60-62;
8. L. Goraş, L.O. Chua, D.M.W. Leenaerts, 1995, "Turing Patterns in CNN's-Part I: Once Over Lightly", IEEE Transactions on Circuits and Systems-I: Fundamental Theory and Applications, vol. 42, no. 10, Oct. pp 602-611;
9. L. Goraş, L.O. Chua, 1995, "Turing Patterns in CNN's-Part II: Equations and Behaviors", IEEE Transactions on Circuits and Systems-I: Fundamental Theory and Applications, vol. 42, no. 10, Oct., pp 612-626;
10. L. Goraş, L.O. Chua, L. Pivka, 1995, "Turing Patterns in CNN's-Part III: Computer Simulation Results", IEEE Transactions on Circuits and Systems-I: Fundamental Theory and Applications, vol. 42, no. 10, Oct., pp 627-637;
11. L. O. Chua, L. Goraş, 1995, "Turing Patterns in Cellular Neural Networks", Int. Journal of Electronics, vol. 79, no.6, pp 719-736;
12. A. Leuciuc, L. Goraş, 1998, "New General Immitance Converter JFET Voltage-Controlled Impedances and Their Applications to Controlled Biquads Synthesis", IEEE Trans. on Circuits and Syst. – Part I, vol 45, no. 6 June, pp 678-682;
13. L. Goraş, T. Teodorescu, R. Ghinea, 2003, "On the Spatio-Temporal Dynamics of a Class of Cellular Neural Networks" Journal of Circuits, Systems and Computers Section I (Theory) (Special Issue on "CNN Technology and Visual Microprocessors") JCSC Vol. 12, No. 4, August 2003;
14. R. Matei, L. Goraş – Elementary Linear Filtering Tasks Using CNNs With Minimum-Size Templates, Journal of Automatic Control (JAC), Faculty of Electrical Engineering, University of Belgrade, Volume 13(1), 2003, pp.47-53;
15. L. Goraş, T. D. Teodorescu, R. Ghinea, E. David, P. Ungureanu, 2004, Chapter 4: "On the Dynamics of Some Classes of Cellular Neural Networks" in Cellular Neural Networks (Angela Slavova, Valeri Mladenov editors), Nova Science Publishers, Inc, New York, ISBN I-59454-040-3,

16. R. Matei, L. Goras 2006, "A Class of Circularly-Symmetric CNN Spatial Linear filters" Facta Univ. Ser.: Elec. Energ., vol. 19, No. 2, August 2006, pp. 299-316
17. M. Fira, L. Goraş 2008 "An ECG signals compression method and its validation using NN's", IEEE Trans. On Biomedical Engineering TBME Vol. 55, No.4, April, 2008, pp 1319-1326.

Papers published in Romanian journals

1. Cr. Simionescu, Sv. Dumitrescu, I. Diaconu, L. Goras, 1975 "Study of Organic Polymers with Special Electrophysical Properties"; Revue Roumaine de Chimie, 20, 7, pp 931-943;
2. L. Goras, 1977, "On the Number of Resonances of Linear Electric Circuits"; Buletinul Inst.Polit.Iasi, XXII(XXVII) Fasc.3-4, Sectia III, pp 37-40;
3. L. Goras, 1977, "Ideal and Nonideal Behavior of Constant Module Impedance Circuits"; Buletinul Institutului Politehnic Iasi, XXIII (XXVII), Fasc. 3-4, Sectia III, pp 37-40;
4. L. Goras, 1978, C. Mircea, "The X-controlled Transformation Converter"; Buletinul Inst.Polit. Iasi, XXIV(XXVIII), Fasc.1-2, Sectia III, pp 21-25;
5. D. Barbulescu, Gh. Savin, "L. Goras, 1978, "Electrical Bridge for Impedance Module and Phase Measurements"; Buletinul Inst.Polit Iasi, XXIV(XXVIII) Fasc.3-4, Section III, pp 41-46;
6. L. Goras, 1979, "Mutators and Generalized Mutators"; Buletinul Inst.Polit.Iasi, XXV(XXIX), Fasc.1-2, Sectia III, pp 31-35;
7. L. Goras, C. Marcuta, 1980, "Nonlinear Synthesis Using Saturation of the Operational Amplifier"; Buletinul Inst.Polit.Iasi, XXVI(XXX), Fasc.1-2, Sectia III, pp 25-30;
8. V. Munteanu, Gh. Zaharia, L. Goras, 1983, "On the Possibility of Digital Computing Blocks Synthesis by Using the Izomorphism in Coding"; Buletinul Inst.Polit.Iasi, XXIX(XXXIII), Fasc 2-4, Sectia III, pp 55-60;
9. L. Goras, O. Petrus, B. Constantin, A. Khatib, I. Zaharia, 1983, "On the Possibility of Fast Fourier Transform (FFT) Application in Heart Diseases Diagnosis"; Buletinul Inst.Polit.Iasi, XXIX(XXXIII), Fasc.1-4, Sectia III, pp 29-33;
10. L. Goras, H. Rosman, Gh. Savin, 1985, "Controllability and Observability Considerations Concerning Some Linear Lumped Passive Electrical Circuits"; Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energetique, Tome 30, Nr.4, Oct-Dec., pp 395-398;
11. C. Marcuta, L. Goras, 1990, Numeric "Displacement Transducer Using a New Type Inductance-to-Time-Period Converter"; Buletinul Inst.Polit. Iasi, Tom.XXXVI(XL), Fasc 3-4, Sectia III, pp 27-32;
12. H. Rosman, L. Goraş, 1993, "Vanishing Condition Concerning the Distortion Power for Electric Circuits in Periodic Non-Harmonic Steady-State", Revue Roumaine des Sciences Techniques, Serie Electrotechnique et Energetique, tom 38, nr.2, 227-233;
13. A. Leuciuc, L. Goraş, 1993, "Synthesis of a Class of Nonlinear Filters", Bulletin of the Polytechnic Institute of Iasi, vol. XXXIX (XLIII), fasc. 1-4, pp. 27-32;
14. H. Rosman, L. Goraş, A. Braier, 1996, "Synthese des Uniportes Liniaires, Passifs, Excites par des Signaux Modules en Amplitude, en Regimes de Resonance", Bulletin of the Polytechnic Institute of Iasi, Tom XLII (XLVI) Fasc. 1-2, Sectia III, p 7-16;
15. L. Goras, On Pattern Formation in Cellular Neural Networks, Fuzzy Systems & A.I., vol VII, nos. 1-3, 2001.
16. E. David, T. D. Teodorescu, R. Ghinea, L. Goraş, 2002, "On the Shifting Properties of a Class of First Order Cellular Neural Networks (CNN's)", Bulletin of the Polytechnic Institute of Iasi Tom XLVIII (LII) Fasc. 3-4, ISSN 0258-9109, pp 31-40;
17. T. Goraş, D. Alexa, L. Goraş, 2004, "Synthesis of Controlled Nonlinear Simulated Circuit Elements Based on a GIC-Structure", Scientific Bulletin of the "Politehnica" University of Timişoara, Transactions on Electronics and Communications, Tomul 49 (63), fascicola 1, pp. 102-105, ISSN 1583-3380;
18. M. Negoita, L. Goras, 2004 "The R-Wave Detection with Low Computational Complexity Based on the Pan-Tompkins Algorithm", Buletinul Institutului Politehnic din Iasi, ISSN 0258-9109, pp 72-77;

19. M. Negoita, L. Goras, 2004 "A Robust Algorithm for Accurate QRS Complex Detection", Buletinul Institutului Politehnic din Iasi, ISSN 0258-9109, pp. 47-58;
20. M. Budăeș, L. Goras, 2007 „An Averaging Technique Model for a Switched Capacitors DC-DC Voltage Converter” Buletinul Institutului Politehnic din Iasi, tom LIII (LVII) fasc.1-2/2007, ISSN 0258-9109;
21. M. Budăeș, L. Goras, 2007 "Burst Mode, Inductorless, Switched Capacitor DC – DC Voltage Converter", Buletinul Institutului Politehnic Iași, LIII (LVII) fasc.3-4/2007, ISSN 0258-9109 ;
22. M. Budăeș, L. Goras, 2008 "Burst Mode Switched Capacitor Voltage Converter Modeling and Design", Romanian Journal of Information Science and Technology, (in print).
23. C. Andriesei, L. Goras, 2008 "On Frequency and Quality Factor Independent Tuning Possibilities for RF Band-pass Filters with Simulated Inductors", Romanian Journal of Information Science and Technology, vol. 11, nr. 4, 2008 pp 367-382.
24. I. Alecsandrescu, L. Goras, 2008 "Gershgorin Circles Associated to Double Grid Second Order Cellular Neural Networks", Acta Technica Napocensis Electronics and Telecommunications, vol 49, nr. 1/2008, pp. 1-7.
25. C. Andriesei, L. Goras, 2008, "On the Tuning Performances of an Active RF Bandpass Filter", Acta Technica Napocensis Electronics and Telecommunications vol 49, no. 3, 2008, pp29-34.
26. C. Andriesei, L. Goras, B. Delacressonière, "Active RF Bandpass Filter with Wide Frequency Tuning Range", Romanian Journal of Information Science and Technology - ROMJIST, Printing House of the Romanian Academy (to be published)
27. C. Andriesei, L. Goras, F. Temcamani, "On an RF Bandpass Filter Tuning Method", Revue Roumaine de Sciences Techniques (to be published)

Papers published in proceedings of conferences abroad

1. Cr. Simionescu, Sv. Dumitrescu, I. Diaconu, L. Goras, 1973, "Study of Certain Special Electrophysical Properties of Polymers", Proceedings of the Symposium "Polymer '73" Varna, Bulgaria, pp 461-465;
2. L. Goras, 1975, "On Nonlinear Circuit Synthesis Using Impedance Converters and Inverters"; Tagungsmaterialen des 23 Internationalen Wissenschaftlichen Kolloquium der Technischen Hochschule Ilmenau, Germany, 23-26 September, Heft 3, pp 17-20;
3. H. Rosman, Gh. Savin, L. Goras, 1985, "Analysis of Linear Electric Circuits With Excess Reactive Elements", Proceedings of the 3-rd Int. Symp. on Theoretical Electrotechnics, Moscow, 23-24 Sept;
4. L. Goras, 1987, "On Some Classes of Dynamic Circuit Elements"; Tagungsmaterialen des 35 Internationalen Wissenschaftlichen Kolloquium der Technischen Hochschule Ilmenau, Germany, 26-31 October, Heft 2, pp 45-48;
5. L. Goras, 1989, "Controllability and Observability of Higher Order Nonlinear Elements", Proceedings of the 5-rd Int. Symp. on Theoretical Electrotechnics, Budapest, 23-25 Aug.;
6. L.Goraș, 1993, "A Note on Hidden Modes"; Proceedings of the European Conference on Circuit Theory and Design, Davos, Switzerland, 30 Aug -3 Sept;
7. L.Goraș, A. Leuciuc, 1993, "GIC-FET Controlled Impedances"; Proceedings of the European Conference on Circuit Theory and Design, Davos, Switzerland, 30 Aug - 3 Sept;
8. L. Goraș, A. Leuciuc, I. Ciocoiu , 1994, "On Nonlinear Synthesis Using Generalized Mutators", NDES Crakow;
9. V. Grigoras, L. Goraș, 1994, "Additive Nonhomogeneous Discrete Systems", NDES Crakow;
10. L. Goraș, A. Leuciuc, 1994, "Further Generalization of Higher Order Circuit Elements: State Description and Synthesis", ISCAS, London;
11. L. Goraș, C. Davideanu, 1995, "The Concept of Gelfand Triplet in Signal Theory", Proceedings of the European Conference on Circuit Theory and Design, ECCTD, Istanbul, August;
12. V. Grigoras, L. Goraș, 1995, "Algebraic Additive Systems", Proceedings of the European Conference on Circuit Theory and Design, ECCTD Istanbul, August;

13. L. Goraş, L. O. Chua, 1996 "Turing Patterns in CNN's Based on a New Cell", Proceedings of the Fourth International Workshop on Cellular, Neural Networks and Their Applications, Seville, Spain, June 24-26;
14. L.Goraş, L.O.Chua, 1997, "On the Influence of CNN Boundary Conditions in Turing Pattern Formation", Proceedings of the European Conference on Circuit Theory and Design, ECCTD, Budapest, pp 383- 388;
15. L.Goraş, T.D.Teodorescu, 1998, "On CNN Boundary Conditions in Turing Pattern Formation", Proc. of the Fifth International Workshop on Cellular, Neural Networks and Their Applications, CNNA'98,
16. L.Goraş, V. Grigoras, B. Jipa, 1998, "On the Possibilities of Using Hysteretic Elements in Signal Processing", Nonlinear Dynamics of Electronics Systems, Budapest, July 16-18;
17. L.Goraş, V. Grigoraş and G. Popescu, 1999, "Hysteresis – a Potential Tool for Signal Processing", International Workshop on Intelligent Communication Technologies and Applications, COST 254 Neuchatel, Switzerland, May 5-7;
18. L. Goraş, 1999 "A Modified CNN Architecture for Turing Patterns Generation", Proceedings of the European Conference on Circuit Theory and Design ECCTD, Stresa, Italy, August 29-September 2;
19. L. Goraş, T.D. Teodorescu, A. Maiorescu, 2000, „Phase Influence on Mode Competition in Turing Pattern Formation", IEEE International workshop on Cellular Neural Networks and their Applications, Catania, Italia, May, pp. 57 – 60;
20. R. Ghinea, R. Bozomitu, L. Goraş, 2000, "On the Stability of Active Filters", First IEEE Balkan Conference on Signal Processing, Communications, Circuits and Systems, Istanbul, Turkey;
21. L. Goraş, T.D.Teodorescu, 2001, "On the Oscillatory Behavior of Second Order Cell 1D CNN's", Proceedings of the European Conference on Circuit Theory and Design ECCTD'2001, Espoo Finland, August 28-31, Volume III, pp. 273 – 276;
22. T.D.Teodorescu, L. Goraş, 2001, "Cell and Template Order Influence on CNN Behavior – A Comparative Study", Proceedings of the European Conference on Circuit Theory and Design ECCTD'2001, Espoo, Finland, August 28-31, Volume III, pp. 285 – 288;
23. L.Goraş, 2003,"On Pattern Formation in Cellular Neural Networks" (invited paper), NATO Advanced Research Workshop, Siena, Italy, 22-24 October, 2002; published in V. Piuri , M. Gori , S. Ablameyko and L. Goras, (editors) "Limitations and Future Trends in Neural Computation", Volume 186 NATO Science Series: Computer & Systems Sciences;
24. L. Goraş, R. Ghinea, T.D. Teodorescu, E. David, 2002, "On the Dynamics of a Class of Cellular Neural Networks", CNNA 2002, Frankfurt, Germany, pp 92-97;
25. L. Goraş, T.D.Teodorescu, R. Ghinea, E. David, 2002, - "On Pattern Formation in a Class of Cellular Neural Networks", ICCSC 2002, St. Petersburg, Rusia, pp 258-262;
26. R. Matei, L. Goraş, 2002,"On Linear Filtering Capabilities Of 1-D CNNs With Minimum-Size Templates", Proceedings of 6-th Seminar on Neural Network Applications in Electrical Engineering, Neurel 2002, Belgrad, Yugoslavia, 26-28 Sept., pp.123-128;
27. R. G. Bozomitu, L. Goraş, V. Cehan, 2003, "A New ELIN Lossy Integrator with Instantaneous "Arcsinh" Companding", 26th International Spring Seminar on Electronics Technology, The High Tatras, Slovak Republic, May 8-11;
28. L.Goraş, I. Ciocoiu, E. David, P. Ungureanu, 2003, –"On Nonlinear Filtering Using Two-Grid Coupled Cellular Neural Networks", 2003, Proceedings of the European Conference on Circuit Theory and Design, ECCTD 2003, Kraków, vol II, pp. 448-451;
29. E. David, P. Ungureanu, L. Goraş, 2003, "On CNN Template Design for Gabor-Type Filters Based on Rational Approximations", Proceedings of the European Conference on Circuit Theory and Design, ECCTD 2003, Kraków, vol II, pp.333-336;
30. E. David, M. Ansorge, L. Goraş, V. Grigoraş, "On the Sensitivity of CNN Linear Spatial Filters: Non-Homogeneous Template Variations", Proceedings of the 8-th IEEE International Workshop on Cellular Neural Networks and their Applications, CNNA 2004, 22-24 July 2004, Budapest, Hungary, pp. 40-45, ISBN 963 311 357 1;

31. R. Matei, L. Goraş, 2004, "Design Methods for CNN Spatial Filters with Circular Symmetry", Proceedings of the 7th Seminar on Neural Network Applications in Electrical Engineering, NEUREL'2004, Belgrade, Serbia and Montenegro, 23-25 Sept. 2004, pp.103-108, ISBN 0-7803-8547-0;
32. R. Ghinea, L. Goraş, M. Ansorge, T. Goraş, 2004, "Nonideal Behaviour of OTA-Based Astable Multivibrators with Applications in Linear Capacitance and Inductance to Time Conversions", International Conference on Circuits and Systems for Communications, ICCSC 2004, Moscow, Russia, 30 June-2 July, CD-ROM proceedings;
33. L. Goraş, P. Ungureanu, 2004 "On the Possibilities of Using Two-Grid Coupled CNN's for Face Features Extraction", Proceedings of the 8-th IEEE International Workshop on Cellular Neural Networks and their Applications, CNNA 2004, 22-24 July 2004, Budapest, Hungary, pp. 381-386, ISBN 963 311 357 1;
34. E. David, R. Ghinea, M. Ansorge, L. Goraş, 2004, "On the Sensitivity of CNN Linear Spatial Filters: Homogeneous Template Variations", Proceedings of the 8-th IEEE International Workshop on Cellular Neural Networks and their Applications, CNNA 2004, 22-24 July 2004, Budapest, Hungary, pp. 34-39, ISBN 963 311 357 1;
35. M. Negoita, L. Goraş 2005 "On a compression algorithm for ECG signals", 13th European signal processing conference, EUSIPCO 2005, 4-8 septembrie, Antalia, Turcia;
36. P. Ungureanu, E. David, L. Goraş, 2006 „On Rotation Invariant Texture Classification Using Two-Grid Coupled CNNs”, Neurel 2006, Belgrade, September 25-27, , pp 33-36, ISBN 1-4244-0432-0;
37. E. David, P. Ungureanu, L. Goraş, 2006 „On the Feature Extraction Performances of CNN Gabor-Type Filters in Texture Recognition Applications”, The 10th IEEE International Workshop on Cellular Neural Networks and their Applications, CNNA 2006, Istanbul, Turkey, August 28 – 30, 2006, pp 153-158, ISBN 1-4244-0639-0;
38. M. Negoită (Fira), C. Andriesi, L. Goraş, 2006 “Compressed Heartbeat Using Skeleton and Codebook”, 5-th European Symposium on Biomedical Engineering, 7-9 July 2006, Patras, Greece, 4pp, CD-ROM, P28,
39. M. Negoita (Fira), L. Goraş, 2006 “Results on Original and Compressed Heartbeats Classification using Multi-Layer Perceptron”, 5-th European Symposium on Biomedical Engineering, 7-9 July 2006, Patras, Greece, CD-ROM, P35;
40. C. Andriesi, L. Goraş, B. Delacressonnière, F. Temcamani 2008 “Accordabilite des Filtres RF Passe-Bande Integres”, CMT 2008, Maroc
41. L. Goraş, I. Alecsandrescu, P. Ungureanu, 2008, “Pattern Generation Using Feedback in CNN Architectures”, Experimental Chaos Conference, June 3-6, 2008, Università degli Studi di Catania, Italy,
42. I. Alecsandrescu, P. Ungureanu, L. Goraş, 2008, “Nonhomogeneous CNN's and Their Use for Texture Classification”, NEUREL 2008, Belgrade, 27-28 September, 2008.

Papers published in proceedings of national and international conferences organized in Romania

1. N. Zitron, M. Antonescu, L. Goraş, 1975“Transient Response of the Controlled Inductor Switched in to Its Supplying Sources”; Proceedings of the First National Symposium on Nonlinear and Parametric Circuits, pp 61-66, Iasi;
2. L.Goraş, 1975, “Relaxation Oscillations in a Thermistor Circuit”; Proceedings of the First National Symposium on Nonlinear and Parametric Circuits, pp 301-305, Iasi;
3. L.Goraş, 1982, “Study of Some Jump Phenomena in Circuits Containing Nonlinear Simulated Elements” (in Romanian) Conferinta Nationala de Electrotehnica si Electroenergetica, Timisoara , Sept. 17-18, Vol 1, pp 129-135;
4. L.Goraş, 1982 “On the Possibilities of Inertial Circuit Elements Synthesis” (in Romanian), Conferinta Nationala de Electrotehnica si Electroenergetica, Timisoara, Sept.17-18, Vol 1,pp 137-145;
5. Gh.Savin, H.Rosman, L.Goraş, 1982 “Energetic Considerations Regarding Ideal Dissipative Elements” (in Romanian) Conferinta Nationala de Electrotehnica si Electroenergetica, Timisoara, Sept.17-18, Vol 2, pp 147-156;
6. L.Turic, L.Goraş, 1982 , “On the Possibilities of Using Simulated Circuit Elements in Oscillators”, (in Romanian), Lucrarile Conferintei Nationale de Electronica, Automatizari si Calculatoare, Bucuresti, Nov.17-19;
7. L.Goraş, M.Antonescu, 1982 , “Study of the Nonideal Character of some Simulated Circuit Elements”, (in Romanian), Lucrarile Conferintei Nationale de Electronica, Automatizari si Calculatoare, Bucuresti,, Nov.17-19;

8. L.Goras, L.Dumitrescu, 1983, "On a Method of Nonlinear Circuit Elements Comparison", (in Romanian), Lucrarile Simpozionului de Tehnologie Electronica si Fiabilitate, Iasi, Dec.1-3;
9. C.Marcuta, L.Goras, 1983, "Study of an Inductance-Period Converter", (in Romanian), Lucrarile Simpozionului de Tehnologie Electronica si Fiabilitate, Iasi, Dec.1-3;
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