

FACULTATEA DE ELECTRONICA SI TELECOMUNICATII
FACULTY OF ELECTRONICS AND TELECOMMUNICATIONS

CATEDRA DE COMUNICATII
COMMUNICATIONS DEPARTMENT

2000

FACULTATEA DE ELECTRONICA SI TELECOMUNICATII
FACULTY OF ELECTRONICS AND TELECOMMUNICATIONS

CATEDRA DE COMUNICATII
COMMUNICATIONS DEPARTMENT

SEF DE CATEDRA / HEAD OF DEPARTMENT

Prof. dr. ing. Virgil DOBROTA

1. PERSONAL ACADEMIC SI IN CERCETARE / ACADEMIC AND RESEARCH STAFF

1.1. PERSONAL ACADEMIC / ACADEMIC STAFF

PROFESORI / PROFESSORS

1. Gavril TODEREAN, Microprocesoare, Tehnici de comunicatii / *Microprocessors Systems Design, Communications Techniques*
2. Monica BORDA, Teoria transmiterii informatiei, Telecomunicatii, Criptografie / *Theory of Information Transmission, Telecommunications, Cryptography*
3. Aurel VLAICU, Televiziune, Prelucrari de imagini, Sisteme si aplicatii multimedia / *Television, Image Processing, Multimedia Systems and Applications*
4. Virgil DOBROTA, Sisteme de comutatie in telecomunicatii, Retele integrate de banda larga, Retele digitale in telecomunicatii / *Switching Systems in Telecommunications, Integrated Broadband Networks, Digital Networks in Telecommunications*

CONFERENTIARI / READERS

1. Tudor PALADE, Microunde, Radiocomunicações, Radiocomunicações celulare / *Microwaves, Radiocommunications, Cellular Radiocommunications*
2. Mircea VAIDA, Programare, Ingineria programării / *Programming, Software Engineering*
3. Sorina ZAHAN, Telefonie și sisteme de transmisiuni telefonice, Sisteme de comunicații mobile, Rețele neuronale / *Telephony and Telephony Transmission Systems, Neural Networks*
4. Vasile BOTA, Transmisii de date, Tehnici de comunicare / *Data Transmission, Communications Techniques*
5. Eugen LUPU, Microprocesoare, Analiza si sinteza semnalului vocal / *Microprocessors Systems Design, Speech Analysis and Synthesis*
6. Mircea GIURGIU, Programarea calculatoarelor, Prelucrarea semnalului vocal / *Computer Programming, Speech Processing*

SEFI DE LUCRARI (LECTORI) / SENIOR LECTURERS

1. Radu ARSINTE
2. Laurentiu GAVRA
3. Andras BALOGH
4. Petre POP
5. Daniel ZINCA

ASISTENTI / ASSISTANTS

1. Romulus TEREDES
2. Zsolt POLGAR

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3. Calin VADUVA
4. Nicolae CRISAN
5. Ioan CHISALITA
6. Bogdan ORZA

PREPARATORI / JUNIOR ASSISTANTS

1. Stelian PERSA
2. Vasile DEAC
3. Cristian-Mihai VANCEA
4. Titus Silviu MOLDOVAN
5. Ioan-Mircea ARUNCUTEAN
6. Aurel-Florin SUCIU
7. Cosmin STRILETCHI
8. Marcel CREMENE

1.2. PERSONAL CERCETARE / RESEARCH STAFF

1. ing. Reka MAJOR (doctorand cu frecventa)
2. ing. Cosmin PORUMB (doctorand cu frecventa)
3. Elena LUNG (asistent cercetare)
4. Paul NEMES (asistent stagiar)

2. PRINCIPALELE DOTARI ALE CATEDREI / THE MAIN EQUIPMENT OF THE DEPARTMENT

1. Sala 403 (Observator 2): Laborator Tehnici de Programare / *Room #403 (2 Observator St.): Programming Techniques Laboratory*
2. Sala 404 (Observator 2): Laborator Televiziune / *Room #404 (2 Observator St.): Television Laboratory*
3. Sala 405 (Observator 2) Laborator Microprocesoare / *Room #405 (2 Observator St.): Microprocessor System Design Laboratory*
4. Sala 406 (Observator 2): Laborator Sisteme de comunicatii mobile / *Room #406 (2 Observator St.): Mobile Communications Systems Laboratory*
5. Sala 408 (Observator 2): Laborator Microunde / *Room #408 (2 Observator St.): Microwaves Laboratory*
6. Sala 409 (Observator 2): Cercetare colectiv Radiocomunicatii / *Room #409 (2 Observator St.): Radiocommunications Group Research*
7. Sala 410 (Observator 2): Laborator Radiocomunicatii si Telefonie / *Room #410 (2 Observator St.): Radiocommunications and Telephony Laboratory*
8. Sala 411 (Observator 2): Laborator Retele digitale in telecomunicatii si Centru de Comunicatii de Date al Facultatii / *Room #411 (2 Observator St.): Digital Networks in Telecommunications Laboratory and Data Communications Center of the Faculty*
9. Sala 507 (Observator 2): Laborator Transmisii de date / *Room #507 (2 Observator St.): Data Transmission Laboratory*
10. Sala 508 (Observator 2): Laborator Prelucrari de voce / *Room #508 (2 Observator St.): Speech Processing Laboratory*
11. Sala 509 (Observator 2): Laborator Prelucrari de imagini / *Room #509 (2 Observator St.): Image Processing Laboratory*

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12. Sala 510 (Observator 2): Laborator Comunicatii prin satelit / *Room #510 (2 Observator St.): Satellite Communications Laboratory*
13. Sala 211/A (Dorobantilor 71): Laborator Retele de calculatoare si Nod de Comunicatii Cladire Dorobantilor 71 / *Room #211/A (71 Dorobantilor Street): Computer Networks Laboratory and Communications Node for Dorobantilor Building*
14. Sala 211/B (Dorobantilor 71): Laborator Microprocesoare si Procesoare de semnal / *Room #211/B (71 Dorobantilor Street): Microprocessors and Signal Processors Laboratory*
15. Sala 212 (Dorobantilor 71): Laborator Programare / *Room #212 (71 Dorobantilor Street): Programming Laboratory*
16. Sala 214 (Dorobantilor 71): Laborator Teoria Transmiterii Informatiei / *Room #214 (71 Dorobantilor Street): / Room #212 (71 Dorobantilor Street): Theory of Information Transmission Laboratory*
17. Sala 215 (Dorobantilor 71): Cercetare Colectiv Teoria Transmiterii Informatiei si doctoranzi / *Room #213 (71 Dorobantilor Street): Theory of Information Transmission Group Research and Ph.D. students*
18. Sala 6 (Observator 2): Cercetare Colectiv Telefonie / *Room #6 (2 Observator St.): Telephony Group Research*
19. Sala 7 (Observator 2): Cercetare Colectiv Prelucrari de imagini / *Room #7 (2 Observator St.): Image Processing Group Research*
20. Sala F.N. (Baritiu 26-28): Cercetare Colectiv Microprocesoare si doctoranzi / *Room # (26-28 Baritiu St.): Microprocessors Group Research and Ph.D. students*
21. Sala 364 (Baritiu 26-28): Sediul administrativ al catedrei / *Room #364 (26-28 Baritiu St.): Department's Secretariate*
22. Sala 103 (Baritiu 26-28): Laborator Radiocomunicatii mobile/ *Room #103 (26-28 Baritiu St.): Mobile Radiocommunications Laboratory*
23. Sala 132 (Baritiu 25): Laborator Multimedia/ *Room #432 (25 Baritiu St.): Multimedia Laboratory*
24. Sala (Daicoviciu 15): Centru Multimedia si Invatamint la Distanta / *Room # (15 Daicoviciu St.): Multimedia and Distance Learning Education Centre*

3. PARTICIPARI LA SCHIMBURI DE EXPERIENTA INTERNATIONALE / PARTICIPATIONS TO INTERNATIONAL EXCHANGES

3.1. PERSONALUL CATEDREI / THE STAFF OF DEPARMENT

1. Tudor Palade, Innsbruck, Austria - 17-25.02.2000, conferinta MIC 2001
2. Aurel Vlaicu, Republica Ceha, Praga-15-20.03.2000, conferinta EDEN
3. Mircea Giurgiu, Praga, Cehia - 16-20.03.2000, SOCRATES THEMATIC NETWORK PROJECT
4. Romulus Terebes, Bordeaux, Franta - 30.03-26.06.2000, doctorat
5. Tudor Palade, Davos, Elvetia - 07-16.04.2000, conferinta
6. Virgil Dobrota, Barcelona, Spania - 08.- 14.05.2000, bursa SOCRATES
7. Mircea Giurgiu, Podbanske, Slovacia- 23-26.05.2000 conferinta
8. Ioan Chisalita, Linkoping, Suedia - 01.06.2000-01.06.2001, studii
9. Calin Vaduva, Tokyo, Japonia - 15.06-15.09.2000, Training JAVA
10. Monica Borda, Plymouth, Anglia - 17-30.06.2000, proiect BM
11. Mircea Vaida, Patras, Grecia - 20.06.-20.07.2000, bursa TEMPUS AC-JEP 13449-98
12. Sorina Zahan, Atlanta, SUA - 13-16.07.2000, conferinta
13. Sorina Zahan, Atlanta, SUA - 23-26.07.2000, conferinta
14. Gavril Todorean, Torino, Italia - 25-31.07.2000, program LEONARDO

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15. Eugen Lupu -Helsinki, Finlanda 10.-31.08.2000, colaborari, cercetare
16. Aurel Vlaicu, Franta, Angers-20.08-15.09.2000,proiect INCO-COPERNICUS "INTELLECT"
17. Zsolt Polgar, Nancy, Franta- 05.09-22.10.2000, bursa TEMPUS AC-JEP 13449-98
18. Vasile Bota, Nancy, Franta- 05.09-22.10.2000, bursa TEMPUS AC-JEP 13449-98
19. Eugen Lupu -Franta, Olanda, Belgia, Germania, 15.-30.09.2000, colaborari, cercetare
20. Aurel Vlaicu, Galway, Irlanda -18.09-30.09.2000, mobilitate TEMPUS
21. Bogdan Orza, Galway, Irlanda- 18.-30.09.2000, mobilitate TEMPUS
22. Tudor Palade, Brussels, Belgia - 21-28.09.2000, intrunire COST 255
23. Mircea Giurgiu, Anglia - 28.09-20.10.2000 conferinta
24. Aurel Vlaicu, Granada, Spania - 1-15.12.2000, proiect TEMPUS AC-JEP 13438-98

4. CONTRACTE DE CERCETARE / RESEARCH CONTRACTS

a. Interne

1. Contract PIP BM 188/1 "Dezvoltarea aptitudinilor practice si a caracterului aplicativ pentru invatamintul de scurta durata la CUTEA Cluj-Napoca", (responsabil: prof.dr.ing. Monica Borda)
2. Contract ANSTI tema B-14 "Sistem de marcare a imaginilor numerice in scopul autentificarii proprietatilor intelectuale asupra acestora" (responsabil: prof.dr.ing. Monica Borda)
3. Conventie de colaborare cu Universitatea din Plymouth UK pe tema "Video Watermarking", nr. 33/11.11.1999 (durata contractului 31.08.2002) (responsabil: prof.dr.ing. Monica Borda)
4. Contract nr. 466/2000, program RELANSIN, subprogram Servicii publice, durata 2 ani, partner Institutul Inimii Cluj-Napoca, beneficiar ANSTI: "Noi abordari in diagnosticarea asistata de calculator a cardiopatiei ischemice" (responsabil: conf.dr.ing. Sorina Zahan)
5. Contract nr. 37118/2000, nr. tema 18, cod CNCISIS 679, durata 1 an, beneficiar MEN: "Sistem pentru diagnoza asistata de calculator a cardiopatiei ischemice" (in continuarea contractului CNCISIS nr. 33830/1999, nr. tema 24/628 "Sistem pentru diagnoza asistata de calculator a cardiopatiei ischemice") (responsabil: conf.dr.ing. Sorina Zahan)

b. Externe

1. SOCRATES 2000/2001 - acord bilateral cu I.U.T. Angers, Franta (coordonator: prof.dr.ing. Aurel Vlaicu)
2. SOCRATES 2000/2001 - acord bilateral cu Universitat Politecnica de Catalunya Barcelona, Spania (coordonator: prof.dr.ing. Virgil Dobrota)
3. SOCRATES 2000/2001 - acord bilateral cu Chamber, Franta (coordonator: conf.dr.ing. Sorina Zahan)
4. INCO-COPERNICUS PL 961099 "INTELLECT" - DGXIII European Commission - valoare 300.000ECU (78.000 ECU/3ani pentru UTCN), responsabil prof.dr.ing. Aurel Vlaicu
5. PHARE Multicountry programme for DE - ETF Torino - valoare 40.000 ECU (UTCN), responsabil prof.dr.ing. Aurel Vlaicu
6. PHARE VET 0085 - Computer Aided Design in Electronics (Course Module Development) - ETF Torino, valoare 25.000 ECU (UTCN), responsabil prof.dr.ing. Aurel Vlaicu

5. ALTE TIPURI DE ACTIVITATI DE CERCETARE / OTHER KINDS OF RESEARCH ACTIVITIES

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1. Monica Borda, Cergy, Franta - 19.12.2000, membru in comisia sustinerii tezei de doctorat "Apprendre par imitation: une nouvelle voie d'apprentissage pour les robots autonomes", autor
Sorin Moga

**6. LUCRARI STINTIFICE PUBLICATE IN REVISTE DE SPECIALITATE /
SCIENTIFIC PAPERS PUBLISHED IN PERIODICALS**

1. Mircea Vaida, "Sistem de urmarire a sigurantei functionarii aparaturii medicale". *Inginerie si fizica medicala*. Buletin Informativ, nr. 1/1999, (aparut mai 2000), pp. 12-16
2. Mircea Vaida, "Universitatea "Politecnica" di Catalunya, Spania – invatamint si cercetare stiintifica in domeniul ingineriei medicale". *Inginerie si fizica medicala*, Buletin Informativ, nr. 1/1999 (aparut mai 2000), pp. 72-80
3. A. Suci, D. Cosma, M. Vaida, M. Ionescu, "FORMDET a Pattern Recognition Application". *ACTA ELECTROTEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Volume 41, No.1, 2000, pp. 28-32
4. Mircea Vaida, Radu Ciupa, Dan Cosma, Titus Moldovan, "Advanced Assisted Diagnosis In Medicine Using Image Analysis". *ACTA ELECTROTEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Volume 41, No.1, 2000, pp.33-40
5. Radu Arsinte, "Aspects of Data Acquisition in Portable Biotelemetry Equipment". *ACTA ELECTROTEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Volume 41, No.1, 2000, pp.144-147
6. S. Zahan, "Computational Intelligence in Medical Diagnosis", *ACTA ELECTROTEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Volume 41, No.1, 2000, pp. 148-150.
7. S. Zahan, C. Michael, S. Nikolakeas, "Computer-Assisted Myocardial Ischemia Diagnosis", *ACTA ELECTROTEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Volume 41, No.1, 2000, pp. 151-154
8. R. Bogdan, S. Zahan, C. Cocan, R. Capalneau, "Risk Factors Patterns in Computer-Assisted Myocardial Ischemia Diagnosis", *ACTA ELECTROTEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Volume 41, No.1, 2000, pp. 155-158
9. Adrian Fratila, Eugen Lupu, "MIDI Violin Implemented on TMS320C31 DSP Starter Kit". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.1, 2000, pp. 1-6
10. Tudor Palade, Ioan Chisalita, Nicolae Crisan, Mircea Aruncutean, "Quality and Availability in Mobile Satellite Systems". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.1, 2000, pp. 7-12
11. Virgil Dobrota, Daniel Zinca, Cristian-Mihai Vancea, Aurel Vlaicu, "Layer 4 Switching Experiments in a TCP/IP Environment for the ATM Sources". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.1, 2000, pp. 13-18.
12. Arpad Zsolt Bodo, Romulus Terebes, Monica Borda, "A Watershed Algorithm and Its Application in Image Segmentation". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.2, 2000, pp. 9-12.
13. Aurel Vlaicu, Nicolae Crisan, Radu Lucian, "Surfaces Rendering of Medical Images". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.2, 2000, pp. 21-26.

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14. Zs. Polgar, G. Todorean, "Study of the Performances of a Digital Automatic Gain Control Methods Based on the Energy of the Received Signal", *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.2, 2000, pp. 37-44
15. Mihaela Gordan, Eugeniu Meci, "A Fast and Simple Approach to Character Recognition by Fuzzy Image Modeling". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.2, 2000, pp. 45-50.
16. Mircea Vaida, A. Suci, T. Moldovan, "Dedicated Assisted Diagnosis Using An Image Analysis Application". *ACTA TEHNICA NAPOCENSIS*, Technical University of Cluj-Napoca, Faculty of Electronics and Telecommunications, Volume 40, No.2, 2000, pp.60-67
17. Radu Arsinte, "Unele aspecte privind interconectarea procesoarelor digitale de semnal in sisteme multiprocesor". *Revista ASCI Transilvania*, Nr.5, Decembrie 2000, ISSN1453-5564, pag.
18. Radu Arsinte, "O analiza a erorilor datorate achizitiei in sisteme de imagistica medicala (SIM)". *Revista ASCI Transilvania*, Nr.5, Decembrie 2000, ISSN1453-5564, pag.
19. R. Terebes, "Mathematical Morphology and Its Applications to Image Segmentation", *Buletinul Stiintific al Universitatii "Politehnica" din Timisoara*, Fascicola 2/2000, pag. 11-16
20. S. Zahan, "Fuzzy Diagnosis by Score-Based Tests – Implementation Issues", In *Fuzzy Systems in Medicine*, P.S. Szczepaniak, P.J.G. Lisboa, J. Kacprzyk (editors), Springer-Verlag, Heidelberg, Germany, 2000, pp. 543-561.
21. R. Bogdan, S. Zahan, C. Cocan, R. Capalneau, "Risk Factors as Components of Computer Assisted Early Myocardial Ischemia Diagnosis", *J. of Polish Society of Hypertension*, vol.4, supl. C, May 2000, pp. C44.
22. R. Bogdan, S. Zahan, C. Medrea, C. Suci, C. Cocan, C. Stanescu, R. Capalneau, "New Approaches to Computer Assisted Diagnosis of Ischemic Heart Disease. Early Results of Comcordia Research Project", *Revista romana de cardiologie*, vol. XIII, nr. 3, an 2000, pag. 64.
23. R. Bogdan, S. Zahan, R. Capalneau, "A New computer Assisted Multimethod for Myocardial Ischemia Diagnosis – Evaluation of Performances", in B.S. Lewis, D.A. Halon, M.Y. Flugelman, P. Touboul, Eds., *Coronary artery disease. Prevention to intervention*, Monduzzi Editore, Bologna, Italy, 2000, pp. 403-408.
24. R. Bogdan, S. Zahan, C. Medrea, R. Petrovici, R. Capalneau, "A Computer Assisted Approach to Echo-Doppler Diastolic Filling Patterns in Patient with Myocardial Infarction", *European J. of Echocardiography*, Vol.1, Supl. 2, December 2000, pp. S81.

7. LUCRARI STIINTIFICE PUBLICATE LA SIMPOZIOANE, CONFERINTE NATIONALE / SCIENTIFIC PAPERS PUBLISHED AT NATIONAL SYMPOSIUMS, CONFERENCES

Toate simpozioanele si conferintele din 2000, organizate in Romania, la care a participat Catedra de Comunicatii, au avut un caracter international, lucrarile fiind prezentate in limba engleza.

8. LUCRARI STIINTIFICE PUBLICATE LA SIMPOZIOANE, CONFERINTE INTERNATIONALE / SCIENTIFIC PAPERS PUBLISHED AT INTERNATIONAL SYMPOSIUMS, CONFERENCES, WORKSHOPS

1. M. Vaida, C.D.Olinici, O. Buza, "Image Processing Software Development for Distributed Education". *Proceedings of the 4th edition of the International Symposium "The Role of*

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- Academic Education and Research in the Development of Information Society*", "Politehnica" University of Bucharest, 18-19 May 2000, pp. 70-77
2. Mircea Vaida, O. Buza, P.G. Pop, L. Miclea, "Medical Images Processing for Developing Multimedia Atlases". *Proceedings of International Conference on Quality Control, Automation and Robotics Q&A-R 2000 THETA 12*, Cluj-Napoca, 19-20 May 2000, pp.239-244
 3. Petre G. Pop, T. Seimeanu, M. Vlad, M. Vaida, "Computer Added Design of Technology and Devices for Induction Hardening", *Proceedings of International Conference on Quality Control, Automation and Robotics Q&A-R 2000 THETA 12*, Cluj-Napoca, 19-20 May 2000, pp.373-378
 4. Mircea Vaida, A. Suciuc, M. Ionescu, T. Moldovan, "Direct Sequence Intelligent Application Considering Pattern Recognition Methods". *Proceedings of the First IEEE Balkan Conference On Signal Processing, Communications, Circuits, and Systems*, Isik University Campus, Maslak, Istanbul, Turkey, June 2-3, 2000, pp. 117-121
 5. Mircea Vaida, "Research and Students Projects on Image Processing and Medical Applications at the Technical University of Cluj-Napoca". University of Patras, School of Medicine, 10 July 2000, Greece, <http://bme.med.upatras.gr>
 6. S. Zahan, "Neuro-Fuzzy Networks in Adaptive Coding of Telecommunications Channels", *Proc. of 19th Int. Conf. of the North-American Fuzzy Information Processing Society*, 13-15 July 2000, Atlanta, pp. 296-300.
 7. S. Zahan, "Neuro-Fuzzy Approach to Adaptive Error Control", *Proc. of World Multiconference on Systems, Cybernetics and Informatics*, 23-26 July 2000, Orlando, pp. 323-328.
 8. M. Vaida, T. S. Moldovan, C. D. Olinici, R. Vasiliu, D. Crisan, "Flow Measurements In Microscopically Medical Image Analysis. *Proceedings of the 9th International Symposium On Flow Visualization*, Edinburgh, Scotland, 23-26 August 2000, pp. 3061-3064
 9. Vasile Bota, Zs. Polgar, "Vocal Telephone Channel Simulator Implemented on a TMS320C31 DSK Board", *The 3rd European DSP Education and Research Conference*, ESIEE Noisy Le Grand, Paris, 20-22 September 2000, compact-disk
 10. S. Zahan, "Behavior of Neural Maximum Likelihood Decoder in the Hard and Soft Decoding of Telecommunications Channels", *Proc. of Neurel 2000*, 25-27 September 2000, Belgrad, pp. 49-52.
 11. S. Zahan, R. Bogdan, R. Capalneau, "Fuzzy Expert System for Cardiovascular Disease Diagnosis – Tests and Performance Evaluation", *Proc. of Neurel 2000*, 25-27 September 2000, Belgrad, pp. 65-68.
 12. G. Oltean, C. Miron, S. Zahan, M. Gordan, "A Fuzzy Optimization Method for CMOS Operational Amplifier Design", *Proc. of Neurel 2000*, 25-27 September 2000, Belgrad, pp. 152-157.
 13. Mircea Vaida, Radu Ciupa, Ovidiu Buza, "Developing Multimedia Interactive Internet-Intranet Documents using Medical Image Processing". *Proceedings of the 2nd European Symposium on Biomedical Engineering*, University of Patras, Greece, 5-8 October 2000, pp.
 14. A. Ambroze, G. Wade, C. Serdean, M. Tomlinson, J. Stander, M. Borda, "Turbo Code Protection of a Video Watermark Channel". *Proceedings of IEEE Conference on Vision, Image and Signal Processing*, UK, September 2000, pp.
 15. R. Terebes, P. Baylou, O. Lavialle, M. Borda, I. Nafoarnita, "Adaptive Directional Morphological Operators", *Proceedings of the 10th European Signal Processing Conference EUSIPCO'2000*, 4-8 September, Tampere, Finland, pp.
 16. G. Wade, C. Serdean, A. Ambroze, M. Borda, I. Nafoarnita, "'Watermarking of Uncompressed Video: An Overview". *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol.I, pp. 2-15

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17. Daniel Zinca, Virgil Dobrota, Cristian Mihai Vancea, "WAP Applications for Mobile Users with Wireless Devices". *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol.I, pp. 77-80
18. Zs. Polgar, V. Bota, "Simplified Demodulation Methods of CPFSK Signals. Performances and Digital Implementation Aspects", *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol.I, pp. 92-97
19. Zs. Polgar, V. Bota, "On the Coherent-Differential Demodulation of the OFDM Modulated Signals and Carrier Recovery Methods", *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol.I, pp. 98-103
20. Vasile Bota, Zs. Polgar, "On the Local Carrier Recovery in Data Transmission Employing the QAM Signal Constellations", *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol.I, pp. 104-107
21. Vasile Bota, Zs. Polgar, "Experimental OFDM System Implemented on a DSP EVM Board", *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol.I, pp. 108-113
22. Petre G. Pop, Gavril Todorean, Eugen Lupu, "Software for speech analysis". *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol. II, pp.109-112
23. Tudor Palade, "L.O.S. C-Band Microwave Links Clear Air Performances". *Proceedings of the Symposium on Electronics and Telecommunications "ETc. 2000"*, Timisoara, 23-24 November 2000, Vol. II, pp.216-217
24. Tudor Palade, "On the Repeaters Antenna System Design", *Proceedings of the International Conference "Communications 2000"*, Bucharest, Military Technical Academy, "Politehnica" University of Bucharest and IEEE Romanian Section, 7-9 December 2000, pp. 150-153
25. Sorina Zahan, "Generation of Neural Network Architectures Using Genetic Algorithms", *Proceedings of the International Conference "Communications 2000"*, Bucharest, Military Technical Academy, "Politehnica" University of Bucharest and IEEE Romanian Section, 7-9 December 2000, pp. 178-181
26. Sorina Zahan, "Fuzzy Diagnosis in Telemedicine Services", *Proceedings of the International Conference "Communications 2000"*, Bucharest, Military Technical Academy, "Politehnica" University of Bucharest and IEEE Romanian Section, 7-9 December 2000, pp. 182-185
27. Vasile Bota, Zs. Polgar, "On the Trellis Coded BER Computation", *Proceedings of the International Conference "Communications 2000"*, Bucharest, Military Technical Academy, "Politehnica" University of Bucharest and IEEE Romanian Section, 7-9 December 2000, pp. 186-189
28. Vasile Bota, Zs. Polgar, "Coherent Demodulation and Carrier Recovery Method for OFDM Signals", *Proceedings of the International Conference "Communications 2000"*, Bucharest, Military Technical Academy, "Politehnica" University of Bucharest and IEEE Romanian Section, 7-9 December 2000, pp. 190-193
29. Zs. Polgar, V. Bota, "On the Implementation and Employment of the Hilbert Transform in Data Transmissions", *Proceedings of the International Conference "Communications 2000"*, Bucharest, Military Technical Academy, "Politehnica" University of Bucharest and IEEE Romanian Section, 7-9 December 2000, pp. 198-201
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