

RAPORT

privind activitatea de cercetare pe anul 2002

I. Date de identificare a catedrei

1. Denumire catedră	CATEDRA DE COMUNICATII
2. Facultatea	ELECTRONICA SI TELECOMUNICATII
3. Adresa catedrei	Strada George Baritiu 26-26, Sala 364
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6. Adresa e-mail	Virgil.Dobrota@com.utcluj.ro
7. Adresa site	http://www.com.utcluj.ro
8. Șef catedră	Prof.dr.ing. Virgil DOBROTA
9. Membri birou catedră	Prof.dr.ing. Monica BORDA, Conf.dr.ing. Vasile BOTA

II. Lista membrilor catedrei (cadre didactice, cercetători, doctoranzi cu frecvență)

Nr. Crt.	NUMELE și Prenumele	Gradul didactic, de cercetare sau doctorand
1	TODEREAN Gavril	Profesor doctor
2	BORDA Monica	Profesor doctor
3	VLAICU Aurel	Profesor doctor
4	DOBROTA Virgil	Profesor doctor
5	PALADE Tudor	Profesor doctor
6	VAIDA Mircea	Profesor doctor
7	ZAHAN Sorina	Profesor doctor
8	BOTA Vasile	Conferentiar doctor
9	LUPU Eugen	Conferentiar doctor
10	GIURGIU Mircea	Conferentiar doctor
11	ARSINTE Radu	Conferentiar doctor
12	POLGAR Zsolt Alfred	Sef lucrari doctor
13	POP Petre	Sef lucrari
14	ZINCA Daniel	Sef lucrari
15	TEREBES Romulus-Mircea	Sef lucrari
16	CRISAN Nicolae	Sef lucrari
17	CHISALITA Ioan	Asistent
18	STRILETCHI Cosmin	Asistent
19	ARUNCUTEAN Ioan Mircea	Asistent
20	VANCEA Cristian Mihai	Asistent
21	DEAC Vasile Valentin	Asistent
22	ORZA Bogdan	Asistent
23	CHIOREAN Ligia	Asistent
24	CREMENE Marcel	Asistent
25	BENTA Kuderna-Iulian	Preparator
26	MARIAN Marius	Preparator
27	MESAROS Annamaria	Preparator
28	VARGA Mihaly	Preparator
29	BUD Mihai	Preparator
30	MAJOR Reka	Doctorand cu frecventa
31	ALBU Lucian	Doctorand cu frecventa

32	VOICU Iulian	Doctorand cu frecventa
33	BLAGA Tudor	Doctorand cu frecventa
34	COPACIU Flaviu	Doctorand cu frecventa
35	MORARU Bogdan	Doctorand cu frecventa
36	CARUNTU Alexandru	Doctorand cu frecventa
37	PORUMB Cosmin	Asistent stagiar cercetare
38	BORA Vasile	Asistent stagiar cercetare
39	CHIOREANU Adrian	Asistent stagiar cercetare
40	NEMES Paul	Asistent stagiar cercetare
41	PADUREAN Razvan	Asistent stagiar cercetare

III. Centralizator privind activitatea de cercetare pe criterii

A. ACTIVITĂȚI LA NIVEL NATIONAL

A1. OPERA OMNIA

CRITERIUL	Număr
Criteriul 1 Monografii, tratate in domeniul centrului, publicate in edituri nationale recunoscute	6
Criteriul 2 Articole publicate in reviste editate de editura Academiei	2
Criteriul 3 Articole publicate in anale, buletine stiintifice ale universitatilor	9
Criteriul 4 Articole publicate in reviste nationale de specialitate cu referenti si colective editoriale	12
Criteriul 5 Conferinte invitate/lucrari de sinteza prezentate la manifestari stiintifice nationale recunoscute	9
Criteriul 6 Lucrari publicate in volumele unor conferinte nationale cu referenti/comisie de selectie si comitet de program	-
Criteriul 7 Brevete omologate	-

A2. RECUNOASTEREA PRESTIGIULUI

CRITERIUL	Număr
Criteriul 8 Membru in colectivele de redactie ale unor reviste stiintifice nationale	3
Criteriul 9 Premii stiintifice acordate de Academia Romana	-
Criteriul 10 Premii acordate de MEC, CNCSIS	-
Criteriul 11 Alte premii nationale in domeniul centrului	1
Criteriul 12 Membru in organizatii stiintifice nationale in domeniul centrului	4
Criteriul 13 Referent stiintific la reviste/expert CNCSIS sau echivalent/conducator stiintific la teze de doctorat	14
Criteriul 14 Profesor invitat la universitati de prestigiu pentru prezentari de sinteza	-
Criteriul 15 Granturi de cercetare/proiecte castigate prin competitie nationala	6
Criteriul 16 Contracte de cercetare stiintifica nationale	2

B. ACTIVITĂȚI LA NIVEL INTERNATIONAL

B1. OPERA OMNIA

CRITERIUL	Număr
Criteriul 17 Monografii, tratate in domeniul centrului publicate in edituri internationale recunoscute	-
Criteriul 18 Articole/citari publicate in reviste cotate ISI	-
Criteriul 19 Articole publicate in reviste cu referenti si colective editoriale	1
Criteriul 20 Conferinte invitate/lucrari plene la conferinte internationale de prestigiu	-
Criteriul 21 Lucrari publicate in volumele unor conferinte internationale	59
Criteriul 22 Brevete omologate in strainatate/premii internationale	-

B2. RECUNOASTEREA PRESTIGIULUI

CRITERIUL	Număr
Criteriul 23 Membri in colectivele de redactie ale unor reviste internationale recunoscute	-
Criteriul 24 Membri in organisme stiintifice internationale/societati profesionale	28
Criteriul 25 Organizator de manifestari stiintifice internationale (charmain, co-charmain)/membru in comitetele de program	17
Criteriul 26 Profesor invitat pentru prelegeri la universitati de prestigiu din strainatate	11
Criteriul 27 Membru in comitetele internatinalale in domeniul centrului/expert pentru programe internationale	4
Criteriul 28 Granturi de cercetare/proiecte castigate prin competitie internationala	8
Criteriul 29 Conducator de doctorat co-tutelar/membru in comisii de doctorat in strainatate	-
Criteriul 30 Contracte de cercetare stiintifica internationale	8

C. ALTE ACTIVITATI

CRITERIUL	Număr
Criteriul 31 Propuneri de granturi depuse la CNCSIS care nu au fost aprobate	1
Criteriul 32 Propuneri de proiecte de cercetare internaționale care nu au fost aprobate (ex. FP5, Eureka, etc.)	3
Criteriul 33 Dotarea laboratoarelor de cercetare (sponsorizări, donații, autdotare) –altele decât cele rezultate în cadrul contractelor de cercetare menționate în cadrul criteriilor anterioare	7

IV. Date privind activitatea de cercetare**CRITERIUL 1:**

Monografii, tratate, publicate in edituri nationale recunoscute pentru intreaga activitate.

Nr. crt.	Monografii, tratate publicate in edituri nationale recunoscute de CNCSIS (autor, titlu, anul, numar pagini, editura)*
1.	<u>Virgil Dobrota</u> , “ <i>Rețele digitale in telecomunicatii. Volumul 1: Comutatia digitala, Analiza traficului</i> ”, Editia a III-a, 2002, 212 pagini, Editura Mediamira, Cluj-Napoca, ISBN 973-9357-09-1
2.	<u>Virgil Dobrota</u> , “ <i>Rețele digitale in telecomunicatii. Volumul 3: OSI si TCP/IP</i> ”, Editia I-a, 2002, 192 pagini, Editura Mediamira, Cluj-Napoca, ISBN 973-9357-04-9
3.	<u>M.F Vaida</u> , <u>G.P.Pop</u> , <u>C.Striletschi</u> , <u>L.Chiorean</u> , “ <i>Aplicatii in limbajele C/C++ si Java</i> ”, Editura Casa Cartii de Stiinta, Cluj-Napoca, 2002, 308 pagini, ISBN 973-686-319-0.
4.	<u>Mircea-Florin Vaida</u> , <u>Cosmin Porumb</u> , <u>Radu Fotea</u> , <u>Florin Hurducas</u> , <u>Liviu Lazar</u> , <i>Java 2 Enterprise Edition (J2EE). Aplicatii multimedia</i> , Editura Albastra Cluj-Napoca, 2002, pp.545, ISBN 973-650-062-4
5.	<u>Mircea Giurgiu</u> (editor), „ <i>Acquisition of Complementary Competencies through Open and Distance Education – Vol.1. Training Needs Analysis</i> ” (in limba engleza), Editura Risoprint, Cluj-Napoca, 2002, ISBN: 973-656-167-4 (127 pagini)
6.	<u>E. Lupu</u> , <u>A.F. Suci</u> , <i>Procesoare digitale de semnal</i> , Editura U.T. Pres, Cluj-Napoca 2002, ISBN 973-8335-53-1 (130pg)

Punctaj criteriul 1: 224.4**CRITERIUL 2:****Articole publicate in reviste editate de Editura Academiei**

Nr. crt.	Articole publicate in reviste editate de Editura Academiei (autor, titlu, anul, editura)*
1.	<u>M. Cremene</u> , <u>S. Zahan</u> , <u>I. Benta</u> , <u>R. Padurean</u> – “Improving Dynamic Personalisation Using a Neuro-Fuzzy System for Wireless Applications”, Iasi 2002, <i>Revista de Inventica</i> , nr. 38, vol. VII, an XII - 2002, pag. 34-39, Editare: Institutul National de Inventica Iasi in colaborare cu Comisia de Inventica a Academiei
2.	<u>E. Lupu</u> , <u>V. Lupu</u> , „ <i>Expertizarea vocii ca adjuvant in diagnosticul delirului de imaginatie la un adolescent</i> ” – <i>Studii si Cercetari in domeniul stiintelor umane</i> , vol.10 pg.338-347, Cluj-Napoca, Noiembrie 2002, ISBN 973-9350-64-x (sub egida Academiei Romane)

Punctaj criteriul 2: 22.5**CRITERIUL 3:****Articole publicate in anale, buletine stiintifice ale universitatilor**

Nr. crt.	Articole publicate in anale, buletine stiintifice ale universitatilor (autor, titlu, anul)*
1.	<u>P.G. Pop</u> , <u>E. Lupu</u> , <u>G. Todorean</u> , “On the use of speech energy’s local maxima in speaker verification using VQ”, <i>Buletinul Stiintific al Universitatii "Politehnica" din Timisoara. Proceedings of the Symposium on Electronics and Telecommunications “ETC’2002”</i> , Timisoara, 19-20 September 2002, Tomul 47 (61), Fascicola 1-2, 2002, ISSN1224-6034, Vol.I, pp. 135-139.
2.	<u>D. Zinca</u> , <u>V. Dobrota</u> , <u>C.M. Vancea</u> , <u>G. Lazar</u> , “Developing QoS-aware Applications in LANs”, <i>Buletinul Stiintific al Universitatii "Politehnica" din Timisoara. Proceedings of the Symposium on Electronics and Telecommunications “ETC’2002”</i> , Timisoara, 19-20 September 2002, Tomul 47 (61), Fascicola 1-2, 2002, ISSN1224-6034, Vol. II, pp. 150-
3.	<u>M. Szekely</u> , <u>T. Palade</u> , “Extended Simulation of the CDMA Channel”, <i>Buletinul Stiintific al Universitatii "Politehnica" din Timisoara. Proceedings of the Symposium on Electronics</i>

	<i>and Telecommunications "ETC'2002"</i> , Timisoara, 19-20 September 2002, Tomul 47 (61), Fascicola 1-2, 2002, ISSN1224-6034, Vol. II, pp. 110-114.
4.	<u>Zs. Polgar</u> , " <i>Studiul si contributi la dezvoltarea modulatorilor digitale</i> ", Teza de doctorat, Conducator stiintific: prof.dr.ing. Gavril Todorean, Universitatea Tehnica din Cluj-Napoca, 2002
5.	<u>Zs. Polgar</u> , <u>V. Bota</u> , "Attenuation and Group Delay Analyzer Implemented on a TMS320C31 DSK Board", <i>Buletinul Stiintific al Universitatii "Politehnica" din Timisoara. Proceedings of the Symposium on Electronics and Telecommunications "ETC'2002"</i> , Timisoara, 19-20 September 2002, Tomul 47 (61), Fascicola 1-2, 2002, ISSN1224-6034, Vol. I, pp. 37-42
6.	<u>V. Bota</u> , <u>Zs. Polgar</u> , <u>M. Varga</u> , "BER Performances of the QAM Modulation Coded with LDPC Codes", <i>Buletinul Stiintific al Universitatii "Politehnica" din Timisoara. Proceedings of the Symposium on Electronics and Telecommunications "ETC'2002"</i> , Timisoara, 19-20 September 2002, Tomul 47 (61), Fascicola 1-2, 2002, ISSN1224-6034,
7.	<u>M. Giurgiu</u> , "Introduction to the Leonardo da Vinci Pilot Project – Acquisition of Complementary Competencies through Open and Distance Education", in volume " <i>Acquisition of Complementary Competencies through Open and Distance Education. Vol.1. Training Needs Analysis</i> ", Editura Risoprint, Cluj-Napoca, 2002, ISBN: 973-656-167-4, pp. 7-16.
8.	<u>M. Giurgiu</u> , "An Analysis of Technological and Pedagogical Issues Related with Internet-Based Learning", in volume " <i>Acquisition of Complementary Competencies through Open and Distance Education. Vol.1. Training Needs Analysis</i> ", Editura Risoprint, Cluj-Napoca, 2002, ISBN: 973-656-167-4, pp. 39-50
9.	<u>P.G.Pop</u> , " <i>Contributii la verificarea vorbitorului prin metode dependente de text</i> ", Teza de doctorat, Conducator stiintific: prof.dr.ing. Gavril Todorean, Universitatea Tehnica din Cluj-Napoca, 2002

Punctaj criteriul 3: 85

CRITERIUL 4:

Articole publicate in reviste nationale de specialitate cu referenti si colective editoriale

Nr. Crt.	Articole publicate in reviste nationale de specialitate cu referenti si colective editoriale (autor, titlu, anul)*
1.	<u>Zs. Polgar</u> , <u>G. Todorean</u> , "On the Error Performances of the Transmission Systems Employing Error Correcting Codes and Partial Response Filtering", <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 42, Number 1, 2002, pp.11-16.
2.	<u>P.G. Pop</u> , <u>G. Todorean</u> , "Comparison of Feature Parameters Used in Speaker Recognition", <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 43, Number 2, 2002, pp.43-46
3.	<u>M. Borda</u> , "Digital Watermaking Basics", <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 42, Number 1, 2002, pp. 48-59
4.	<u>V. Deac</u> , <u>M. Borda</u> , "Secure Client-Server Connecting Protocol Using Araki-Uehara-Imamura Digital Signatures", <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 42, Number 1, 2002, pp. 27-31
5.	<u>R. Major</u> , <u>V. Deac</u> , <u>M. Borda</u> , <u>G. Wade</u> , <u>C. Serdean</u> , "Digital Watermarking Using Hash Functions", <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 42, Number 1, 2002, pp. 60-64
6.	<u>R. Terebes</u> , <u>O. Lavielle</u> , <u>P. Baylou</u> , <u>M. Borda</u> , "Orientation Driven Diffusion", <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 43, Number 2, 2002, pp.20-24

7.	<u>M.F. Vaida</u> , D. Chira, “Web Design Facilities for Distance Learning Perspective”, <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 43, Number 2, 2002, pp. 25-28
8.	S. Nedevschi, T. Marita, <u>M. Vaida</u> , R. Danescu, D. Frentiu, F. Oniga, C. Pocol, D. Moga, “Camera Calibration Method for Stereo Measurements” – extended version, <i>Journal of Control Engineering and Applied Informatics</i> , 2002, Bucuresti, Romania
9.	<u>V. Bota</u> , <u>Zs. Polgar</u> , “On the Approximate Digital Generation of Uniform and Gaussian Distributed Noise Signals”, <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 43, Number 2, 2002, pp. 29-34.
10.	<u>M. Giurgiu</u> , Lynn Connaughton, Luis Lizama, Manolis Chrisostalis, Simona Coscia, Dana Benea, Daniel Don, „CONCORDE – Vocational training Through Open and Distance Education”, <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 43, Number 2, 2002, pp.47-49
11.	Vito Carioca, Rui Gaibino, Antonio Medina, Tiberio Feliz Murias, <u>M. Giurgiu</u> , Joao Carlos Chourico, Luis Santos, George Vavizos, „OCTOPUS – An Approach for Transnational Resource Centre”, <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 43, Number 2, 2002, pp.50-51.
12.	<u>N. Crisan</u> , “New Evaluation Criteria for Edge Detection Algorithms Selection”, <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, Volume 42, Number 1, 2002, pp.1-6.

Punctaj criteriul 4: 79.52

CRITERIUL 5:

Conferinte invitate/lucrari de sinteza prezentate la manifestari stiintifice nationale recunoscute

Nr. crt.	Conferinte invitate/lucrari de sinteza prezentate la manifestari stiintifice nationale recunoscute (autor, titlul, anul)*
1.	<u>A. Vlaicu</u> , <u>B. Orza</u> , <u>C. Porumb</u> , “Aplicatii distribuite in retele de telecomunicatii”, Masa rotunda organizata de Universitatea Tehnica din Cluj-Napoca, in cadrul <i>INFO&SECURIT 2002</i> , 20 noiembrie 2002, Expo Transilvania Cluj-Napoca
2.	<u>Monica Borda</u> , “Cercetari in prelucrarea si securitatea datelor”, Masa rotunda organizata de Universitatea Tehnica din Cluj-Napoca, in cadrul <i>INFO&SECURIT 2002</i> , 20 noiembrie 2002, Expo Transilvania Cluj-Napoca
3.	Kalman Puszta, <u>Virgil Dobrota</u> , Emil Cebuc, <u>Daniel Zinca</u> , Otto Kreiter, “Solutions for Quality of Service in CAMAN”, <i>International Conference “IST for Broadband Europe”</i> , Session 2B: “Premium IP. Assuring Quality of Service in the Broadband Internet”, Bucharest, October 9-11, 2002.
4.	<u>Virgil Dobrota</u> , <u>Daniel Zinca</u> , <u>Cristian Mihai Vancea</u> , <u>Gabriel Lazar</u> , “ <i>Evaluarea practica a performantelor VoIP: IntServ versus DiffServ</i> ”. Masa rotunda organizata de Universitatea Tehnica din Cluj-Napoca, in cadrul <i>INFO&SECURIT 2002</i> , 20 noiembrie 2002, Expo Transilvania Cluj-Napoca
5.	<u>Tudor Palade</u> , <u>Nicolae Crisan</u> , <u>Mircea Aruncutean</u> , “Radioretele de banda larga”, <i>International Conference “IST for Broadband Europe”</i> , Bucharest, October 9-11, 2002.
6.	<u>Mircea Giurgiu</u> , „Prezentare proiect CONCORDE – formare profesionala prin invatamant deschis si la distanta”, <i>CeRF (Computer and Electronics Romanian Fair)</i> , Aprilie, 2002, Bucuresti
7.	<u>Mircea Giurgiu</u> , “Proiectul Leonardo da Vinci: CONCORDE – formare profesionala prin invatamant deschis si la distanta”, <i>Festivalul Sanselor Tale- Targ de Educatie Continua</i> , 7-12 Octombrie 2002, Bucuresti
8.	<u>Mircea Giurgiu</u> , Mihai Vlad, “Prezentare proiect CONCORDE – formare profesionala prin invatamant deschis si la distanta”, <i>Targul Intreprinderilor Mici si Mijlocii TIMM2002</i> , 15-17 Noiembrie 2002, Bucuresti
9.	Bogdan Orza, “New Developments in IT and Telemedicine”, <i>Workshop on “Telecommunications and Distance Learning in Medical Imaging” – Socrates</i> , University

	of Medical and Pharmacy Cluj Napoca, July 2002
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Punctaj criteriul 5: 85

CRITERIUL 8:

Membru in colectivele de redactie ale unor reviste stiintifice nationale

Nr. crt	Membru in colectivele de redactie ale unor reviste stiintifice nationale (nume, titlul revistei al carui membru este, anul)*
1.	<u>Mircea Giurgiu</u> , Membru in colectivul de redactie la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 1997-2002
2.	<u>Radu Arsinte</u> , Editor pentru numerele de electronica si tehnica de calcul la <i>Revista Asociei pentru Colaborari Interdisciplinare a Specialistilor din Transilvania</i> , ISSN1453-5564 , ASCI Transilvania Cluj-Napoca, 1999-2002
3.	<u>Cosmin Striletschi</u> , Membru in colectivul de redactie <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 2000-2002

Punctaj criteriul 8: 30

CRITERIUL 11:

Alte premii nationale

Nr. crt	Alte premii nationale (nume, premiu, anul)*
1.	S. Nedevschi, T. Marita, <u>M. Vaida</u> , R. Danescu, D. Frentiu, F. Oniga, C. Pocol, Premii pentru cea mai buna lucrare in domeniul procesarii de imagini: "Camera Calibration Method for Stereo Measurements", la <i>IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics A&QT-R 2002 (THETA 13)</i> , May 23-25, 2002, Cluj-Napoca, Romania, pp. 111-116

Punctaj criteriul 11: 5

CRITERIUL 12:

Membru in organizatii stiintifice nationale

Nr. Crt	Membru in organizatii stiintifice nationale (nume, organizatia din care face parte, anul)*
1.	<u>M. Borda</u> , Membru al Asociei Nationale de Criptografie
2.	<u>Mircea Giurgiu</u> , membru in Grupul Roman de Tehnologia Vorbirii, 2002 (condus de Acad. Eugeniu Oancea de la Academia Tehnica Militara: eoancea@pcnet.ro)
3.	<u>Mircea Giurgiu</u> , membru in Grupul Roman de Prelucrarea Numerica a Semnalelor (ROM-DSP) (adresa E-mail: rom-dsp@tuiasi.ro)
4.	<u>Radu Arsinte</u> , Membru in Asociaia pentru Colaborari Interdisciplinare a Specialistilor din Transilvania Cluj-Napoca – ASCI Transilvania 1997-2002)

Punctaj criteriul 12: 8

CRITERIUL 13:

Referent stiintific la reviste/expert CNCSIS sau echivalent/conducator stiintific teze doctorat

Nr. crt	Referent stiintific la reviste/expert CNCSIS sau echivalent/conducator stiintific la teze de doctorat (nume, revista al carui referent este, teza de doctorat, anul)
1.	<u>Gavril Todorean</u> , conducator stiintific la teza de doctorat " <i>Contributii la verificarea vorbitorului prin metode dependente de text</i> ", autor inginer Petre G. Pop, Universitatea Tehnica din Cluj-Napoca, 2002
2.	<u>Gavril Todorean</u> , conducator stiintific la teza de doctorat " <i>Studiu si contributii la dezvoltarea modulatorilor digitale</i> ", autor inginer Zsolt Polgar, Universitatea Tehnica din

	Cluj-Napoca, 2002
3.	<u>Gavril Todorean</u> , referent stiintific la teza de doctorat “ <i>Contributii la sinteza circuitelor logice multivalente</i> ”, autor inginer Dorin Sima, Universitatea Tehnica din Cluj-Napoca, 2002
4.	<u>Gavril Todorean</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 1997-2002
5.	<u>M. Borda</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 1997-2002
6.	<u>A. Vlaicu</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 1997-2002
7.	<u>A. Vlaicu</u> , expert evaluator CNCISIS, 2001-2002
8.	<u>V. Dobrota</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 2000-2002
9.	<u>V. Dobrota</u> , expert evaluator CNCISIS, 2001-2002
10.	<u>M. Vaida</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 2000-2002
11.	<u>M. Vaida</u> , referent stiintific la teza de doctorat “ <i>Sisteme informatice pentru prelucrarea si gestiunea imaginilor de anatomie patologica</i> ”, autor Dorina Gui, Universitatea de Medicina si Farmacie Cluj-Napoca, mai 2002
12.	<u>V. Bota</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 2002
13.	<u>E. Lupu</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 2001-2002
14.	<u>M. Giurgiu</u> , referent stiintific la <i>ACTA TEHNICA NAPOCENSIS, Electronics and Telecommunications</i> , ISSN 1221-6542, 1997-2002

Punctaj criteriul 13: 70

CRITERIUL 15:

Granturi de cercetare / proiecte castigate prin competitie nationala

Nr. crt	Granturi de cercetare / proiecte castigate prin competitie nationala (director/membru grant, titlu, an)*
1.	<u>M. Borda</u> – Director contract, <u>A. Vlaicu</u> , <u>V. Dobrota</u> , <u>E.Lupu</u> , <u>R. Terebes</u> , <u>D. Zinca</u> , <u>V. Deac</u> , <u>R. Major</u> – membri, <i>Grant CNFIS - Banca Mondiala nr. 46175</i> , tema 188/1, 1999-2002, program major: “Dezvoltarea aptitudinilor practice si a caracterului aplicativ al invatamantului de scruta durata in cadrul colegiului UTEA al UTCN”.
2.	<u>M. Borda</u> –Director contract, <u>R. Terebes</u> , <u>V.Deac</u> , <u>R. Major</u> – membri, <i>Grant de cercetare ANSTI 6113/2000-2002, Tema A15: “Sistem de marcare a imaginilor numerice in scopul autentificarii proprietatii intelectuale asupra acestora”</i> .
3.	<u>Tudor Palade</u> – director <i>Contract de cercetare 491/2000</i> , act aditional 1/2002, Tema A9: “Metode si specificatii utilizate in pregatirea introducerii serviciilor publice de banda larga prin retele radio cu componenta spatiala, dedicate radiodifuziunii digitale si comunicatiilor mobile din generatia a treia”;
4.	<u>Tudor Palade</u> – director, <u>E. Lupu</u> – membru, <i>Contract de cercetare 9/2002</i> “Elaborarea de software pentru consultarea de la distanta a bazelor de date prin mijloace de radiocomunicatii”
5.	C. Rusu – director, <u>E.Lupu</u> , <u>A. Mesaros</u> – membri, grant <i>CNCISIS nr.33531/2002</i> “Filtre adaptive cu structura variabila”
6.	<u>Mircea Giurgiu</u> – director <i>grant CNCISIS At, Contract Nr. 33531/2002</i> , Tema 6, Cod CNCISIS 49: „Accesul Vocal la Baze de date de Tip Multimedia”, 2002

Punctaj criteriul 15: 114

CRITERIUL 16:**Contracte nationale de cercetare stiintifica**

Nr. crt	Contracte nationale de cercetare stiintifica (nume responsabil contract, titlu, anul)*
1.	<u>T. Palade</u> – responsabil contract “Aplicatie software pentru consultarea de la distanta a bazelor de date prin mijloace de radiocomunicatii.” UTC-N, 2002
2.	<u>E. Lupu</u> - responsabil contract 59/2002 „Aplicatie software pentru masurarea temperaturilor”, Universitatea Tehnica din Cluj-Napoca, 2002

Punctaj criteriul 16: 10**CRITERIUL 19:****Articole publicate in reviste cu referenti si colective editoriale internationale**

Nr. crt.	Articole publicate in reviste cu referenti si colective editoriale internationale (autor, titlu, anul)*
1.	R. Bogdan, <u>S. Zahan</u> , C. Medrea, C. Stanescu, R. Capalneau, J.U. Voigt, F.A. Flackskampf, “A New Computer-Assisted Fuzzy Logic Based Approach in Assessing the Probability of Significant Coronary Artery Disease”, in <i>European Heart Journal (Journal of the European Society of Cardiology)</i> , Vol.23, August/September 2002, ISSN 0195668X, p. 400

Punctaj criteriul 19: 2.85**CRITERIUL 21:****Lucrari publicate in volumele unor conferinte internationale cu referenti**

Nr. crt.	Lucrari publicate in volumele unor conferinte internationale cu referenti (autor, titlu, Conferinta, anul)*
1.	<u>P.G. Pop</u> , <u>E. Lupu</u> , <u>G. Todorean</u> , “On the influence of the first features coefficients over speaker recognition”, <i>Proceedings of 2002 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics</i> 23-25 May 2002, Cluj-Napoca, Tome II, ISBN 973-9357-11-1, pp.159-164
2.	<u>G. Todorean</u> , I. Toma, G. Chira, R. Vescan, C. Jurca, A. Inclezan, L. Locuratolo, A. Sera, M. Contenti., “GPS Real-Time Car Navigation System”, <i>Proceedings of 2002 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics</i> 23-25 May 2002, Cluj-Napoca, Tome II, ISBN 973-9357-11-1, pp.
3.	A. Inclezan, A. Hunt, <u>G. Todorean</u> , “Windows Driver Model and Implementation for a DSP Board”, <i>Proceedings of 2002 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics</i> 23-25 May 2002, Cluj-Napoca, Tome II, ISBN 973-9357-
4.	<u>S. Badiu</u> , M. Chezan, C. Madularu, S. Chiorean, S. Sanchez, F. Dalle Mese, <u>G. Todorean</u> „Secure E-Mail System”, <i>Proceedings of 2002 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics</i> 23-25 May 2002, Cluj-Napoca, Tome II, ISBN 973-9357-11-1, pp.
5.	<u>E. Lupu</u> , <u>P.G. Pop</u> , <u>G. Todorean</u> , “Text Dependent Speaker Verification Using DTW”, <i>Proceedings of the 8th International Conference on Optimization of Electrical and Electronic Equipment OPTIM'2002</i> , Brasov, 16-17 May 2002, Vol.III, ISBN 973-635-015-0, pp. 771-774
6.	<u>P.G. Pop</u> , <u>E. Lupu</u> , <u>G. Todorean</u> , “Data Reduction in Speaker Verification using DTW”, <i>Proceedings of the IEEE International Conference “Communications 2002”</i> , Bucharest, 5-7 December 2002, ISBN 973-8290-67-8, pp. 360-364
7.	<u>V. Deac</u> , <u>M. Borda</u> , “An Application of the Restricted Confirmer Signatures in a Secure Key Exchange Protocol”, <i>Proceedings of the First RoEduNet International Conference</i> , Cluj-Napoca, 18-19 April 2002, ISBN: 973-9358-99-3, pp.27-32.
8.	<u>V. Deac</u> , <u>M. Borda</u> , “A Cryptographic System for a Secure Client-Server Communication”,

	<i>Proceedings of the International Workshop "Trends and Recent Achievements in Information Technology"</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp. 168-173
9.	<u>Romulus Terebes</u> , Olivier Laviaille, <u>Monica Borda</u> , Pierre Baylou, "Anisotropic Diffusion of Strongly Oriented Patterns", <i>Proceedings of the International Workshop "Trends and Recent Achievements in Information Technology"</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp.102-108
10.	<u>Romulus Terebes</u> , Olivier Laviaille, Pierre Baylou, <u>Monica Borda</u> , "Mixed Anisotropic Diffusion", <i>Proceedings of the International Conference on Pattern Recognition</i> , Quebec, Canada, August 11-15, 2002, pp.
11.	<u>Romulus Terebes</u> , Olivier Laviaille, Pierre Baylou, <u>Monica Borda</u> , "Directional Anisotropic Diffusion", <i>Proceeding of the European Signal Processing Conference</i> , Eusipco 2002, Toulouse, France, 2002, pp.
12.	<u>Romulus Terebes</u> , <u>Monica Borda</u> , Yuan Baozong, Olivier Laviaille, Pierre Baylou, "Adaptive Filtering Using Morphological Operators and Genetic Algorithms", <i>Proceedings of the International Conference on Signal Processing, ICSP 2002</i> , Beijing, China 2002, Vol.1, pp.853-857
13.	<u>Aurel Vlaicu</u> , <u>Bogdan Orza</u> , Laurentiu Pacurar, Sergiu Gordea, "Integrated Assessment Environment for Distance Education <i>Proceedings of the 13th EAEEIE Conference: Creating and Managing Evaluation Tests for Students</i> ", , York, UK, 2002, pp.
14.	<u>Aurel Vlaicu</u> , Marina Topa, <u>Cosmin Porumb</u> , Mircea Romantan, S. Gordea, "INTELCOM – Intelligent Communication Environment Using Multiagent Systems", <i>Proceedings of the 2nd Workshop COST 276</i> , Florence, Italy, March 2002, pp.
15.	C. Porumb, <u>B. Orza</u> , S. Gordea, S. Catana, S. Cristea, M. Topa, <u>A. Vlaicu</u> , "Integrated Environment for Distance Education", <i>Proceedings of the 3rd Workshop COST 276</i> , Budapest, Hungary, October 2002, pp.
16.	Calin Rusu, S. Muresan, <u>B. Orza</u> , <u>C. Porumb</u> , <u>A. Vlaicu</u> , "CTMED PORTAL: Application for Hosting and Administration Web-Sites and Virtual Store", <i>Proceedings of the 3rd Workshop COST 276</i> , Budapest, Hungary, October 2002, pp.
17.	M. Romantan, B. Vigouroux, <u>B. Orza</u> , <u>A. Vlaicu</u> , "Image Indexing using the General Theory of Moments", <i>Proceedings of the 3rd Workshop COST 276</i> , Budapest, Hungary, October 2002, pp.
18.	S. Gordea, B. Vigouroux, <u>A. Vlaicu</u> , "Texture Analysis for Images of Radius and Calcaneum using Fourier Transform", <i>Proceedings of the 3rd Workshop COST 276</i> , Budapest, Hungary, October 2002, pp.
19.	<u>C. Porumb</u> , S. Catana, S. Cristea, <u>A. Vlaicu</u> , "Information Management using Multi-Agent Platform Systems", <i>Proceedings of the 3rd Workshop COST 276</i> , Budapest, Hungary, October 2002, pp.
20.	<u>V. Dobrota</u> , <u>D. Zinca</u> , <u>C.M. Vancea</u> , <u>G. Lazar</u> , "Voice over IP Solutions for CAMAN: H.323 versus SIP", <i>Proceedings of the International Workshop "Trends and Recent Achievements in Information Technology"</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp. 37-43
21.	<u>V. Dobrota</u> , <u>D. Zinca</u> , <u>C.M. Vancea</u> , <u>G. Lazar</u> , "A Practical Quality of Service Evaluation for Voice over IP: IntServ Approach", <i>Proceedings of the International Workshop "Trends and Recent Achievements in Information Technology"</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp. 134-139
22.	<u>D. Zinca</u> , <u>V. Dobrota</u> , <u>C.M. Vancea</u> , <u>G. Lazar</u> , "A Practical Evaluation of QoS for Voice over IP", <i>Proceedings of the 12th IEEE Workshop on Local and Metropolitan Area Networks, LANMAN 2002</i> , 11-14 August 2002, Stockholm-Kista, Sweden, pp.65-69.
23.	<u>D. Zinca</u> , <u>V. Dobrota</u> , <u>C.M. Vancea</u> , <u>G. Lazar</u> , "Protocols for Communication between QoS Agents: COPS and SDP", <i>Proceedings of the 3rd COST #276 Workshop on Information and Knowledge Management for Integrated Media Communication</i> , Budapest, Hungary,

	11-12 October 2002, pp.
24.	<u>D. Zinca</u> , <u>V. Dobrota</u> , <u>C.M. Vancea</u> , <u>G. Lazar</u> , “A Practical Quality of Service Evaluation for Voice over IP: IntServ Approach versus DiffServ Approach”, <i>Proceedings of the IEEE International Conference “Communications 2002”</i> , Bucharest, 5-7 December 2002, ISBN 973-8290-67-8, pp. 73-78.
25.	<u>T. Palade</u> , <u>N. Crisan</u> , “A New Technique in Electromagnetic Wave Propagation Using 3D Lightning for 40 GHz Radio Network Planning”, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp. 140-143.
26.	<u>T. Palade</u> , <u>M. Bud</u> , <u>R. Balas</u> , <u>A. Paraboni</u> , <u>C. Riva</u> , “Statistics of Fade Slope of Rain Attenuation at 18.7, 39.6 and 49.6 GHz Obtained at Spino D’ Adda with Italsat Satellite”, <i>Proceedings of the First International Workshop on “Propagation Impairment Mitigation for Millimetre Wave Radio Systems”</i> , Malvern, UK, 1-3 July 2002, pp 21.1-21.7, CD.
27.	<u>T. Palade</u> , <u>N. Crisan</u> , <u>M. Aruncutean</u> , “Broadband FRA implementation in medium sized Eastern European towns”, <i>Proceedings of the International Workshop on Broadband Fixed Wireless Access</i> , Lillestrom, Norway, 30 Sep.–1 Oct. 2002, pp. 61-66.
28.	<u>T. Palade</u> , <u>M. Aruncutean</u> , “Design of Microstrip Array Antenna for 5.8 GHz”, <i>Proceedings of the 8th International Symposium for Design and Technology of Electronic Modules–SIITME 2002</i> , Cluj-Napoca, Romania, Sept. 19-22, 2002, pp.88-91.
29.	<u>T. Palade</u> , “Opportunities for Fixed Wireless Services”, <i>Proceedings of the International Conference “IST – Broadband Europe”</i> , Bucharest, 9-11 October 2002, pp 43-44.
30.	<u>Mircea-Florin Vaida</u> , <u>Jozsef Domokos</u> , “Oracle9i in Managing Medical Images and Multimedia Content”, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp. 144-151
31.	<u>Mircea-Florin Vaida</u> , <u>L. Lazar</u> , “Java Media Framework with Surveillance Facilities”, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp. 152-155
32.	<u>S. Nedeveschi</u> , <u>T. Marita</u> , <u>M. Vaida</u> , <u>R. Danescu</u> , <u>D. Frentiu</u> , <u>F. Oniga</u> , <u>C. Pocol</u> , “Camera Calibration Method for Stereo Measurements”, <i>IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics A&QT-R 2002 (THETA 13)</i> , May 23-25, 2002, Cluj-Napoca, Romania, pp. 111-116
33.	<u>Mircea-F. Vaida</u> , <u>Florin-O. Hurducas</u> , “Image Processing Application Using The Java Platform And The Java Advanced Imaging API”, <i>IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics A&QT-R 2002 (THETA 13)</i> , May 23-25, 2002, Cluj-Napoca, Romania, pp. 141-146
34.	<u>Mircea-Florin Vaida</u> , <u>L. Lazar</u> , “Surveillance Considering Java Media Framework”, <i>IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics A&QT-R 2002 (THETA 13)</i> , May 23-25, 2002, Cluj-Napoca, Romania, pp. 178-182
35.	<u>Mircea-Florin Vaida</u> , <u>Lucian-Nicolae Vescan</u> , “Managing Web-Based Learning for Distance Education”, <i>Proceedings of the International Conference on “Information Technology Interfaces”</i> , ITI 2002, 24-27 June 2002, Cavat, Croatia, pp. 6
36.	<u>Mircea-Florin Vaida</u> , <u>Liviu Lazar</u> , “Intruder Detection Considering a Java Platform Application”, <i>Proceedings of the International Conference on “Information Technology Interfaces”</i> , ITI 2002, 24-27 June 2002, Cavat, Croatia, pp. 5
37.	<u>M. Cremene</u> , <u>S. Zahan</u> , <u>I. Benta</u> , <u>R. Padurean</u> , “Improving Dynamic Personalisation Using a Neuro-Fuzzy System for Wireless Applications”, <i>Proceedings of ECIT’2002</i> , Iasi, 17-20 July 2002, pp.
38.	<u>S. Zahan</u> , <u>J. Bigham</u> , <u>M. Cremene</u> , <u>I. Benta</u> , “Service Provider Intelligent Decision System for a Free 3G Market”, <i>Proceedings of ECIT’2002</i> , Iasi, 17-20 July 2002, pp.

39.	<u>Sorina Zahan</u> , Ruxandra Bogdan, <u>Marcel Cremene</u> , “Computer Assisted Diagnosis of Cardiac Heart Disease”, <i>Proceedings of the International Conference IPMU'2002</i> , Annecy, France, 1-5 July 2002, Vol. 2, pp. 727-732
40.	<u>Zs. Polgar</u> , <u>M. Varga</u> , <u>V. Bota</u> , “On the Signal/Noise Ratio Performances of the CPFSK Demodulators”, <i>Proceedings of the IEEE International Conference “Communications 2002”</i> , Bucharest, 5-7 December 2002, ISBN 973-8290-67-8, pp. 170-175
41.	<u>V. Bota</u> , <u>M. Mandru</u> , <u>Zs. Polgar</u> , “Sampling Clock Synchronization by Received Signal Interpolation in DMT Transmissions. Methods and Performances”, <i>Proceedings of the IEEE International Conference “Communications 2002”</i> , Bucharest, 5-7 December 2002, ISBN 973-8290-67-8, pp. 176-181.
42.	<u>V.Bota</u> , <u>Zs.Polgar</u> , “LDPC Configurations for ADSL Systems. Theoretical Performance Evaluation. LDPC Coded Configurations for Different Bit Rates on ADSL Downstream Report Config.”, <i>Central Research Antwerpen</i> , PPA-010 Project, Alcatel-Bell NV, 37 pages.
43.	<u>V.Bota</u> , <u>Zs.Polgar</u> , <u>M.Varga</u> , “LDPC Configurations for ADSL Systems. Performance Evaluation by Computer Simulation. Report SimA”, <i>Central Research Antwerpen</i> , PPA-010 Project, Alcatel-Bell NV, 24 pages.
44.	<u>V.Bota</u> , <u>M.Mindru</u> , <u>M.Varga</u> , “LDPC CODES. Generation and Encoding Algorithms. Report Codes”, <i>Central Research Antwerpen</i> , PPA-010 Project, Alcatel-Bell NV, 7 pages
45.	<u>V.Bota</u> , <u>Zs.Polgar</u> , <u>M.Varga</u> , <u>M.Mindru</u> , “Theoretical and Simulations Aspects of the LDPC-Coded DMT in VDSL Transmissions. Final Report”, <i>Central Research Antwerpen</i> , PPA-010 Project, Alcatel-Bell NV, 81 pages
46.	<u>Mircea Giurgiu</u> , Louise Heaney, Manolis Chrisostalis, Piero Cavigliasso, Luis Lizama, “A Survey of Training Needs as Complementary Competencies Acquired through Open and Distance Education”, <i>The Second Research Workshop of EDEN: Research and Policy in Open and Distance Learning</i> , University of Hildesheim, 21-23 March, 2002, pp.
47.	Vito Carioca, <u>Mircea Giurgiu</u> , Rui Gaibino, Aldo Passarinho, “OCTOPUS – Transnational On-Line Resource Centre, a Proposal in the Domain of Environmental Education”, <i>Proceedings of the 2002 EDEN Conference</i> , 16-19 May 2002, Granada, Spain, pp.488-494.
48.	<u>Mircea Giurgiu</u> , Mihai Vlad, Silviu Simbotelecan, Luis Lizama, Lynn Connaughton, Piero Cavigliasso, Manolis Chrisostalis, “Recent Achievements in CONCORDE Project on Vocational e-Learning”, <i>Proceedings of 3rd European Conference on e-Activities E-COMM-LINE</i> , 26-27 September, 2002, Bucharest, Romania, pp. 322-326.
49.	<u>Mircea Giurgiu</u> , Vito Carioca, Rui Gaibino, Antonio Medina, Tiberio Murias, Joao C Chouriço, Frederic Bendali, “Creation of On-Line Resources for Environmental Education in OCTOPUS Project”, <i>Proceedings of 3rd European Conference on e-Activities E-COMM-LINE</i> , 26-27 September, 2002, Bucharest, Romania, pp. 327- 331.
50.	<u>Mircea Giurgiu</u> , “An Approach for Churn Prediction in Mobile Telecommunications”, <i>Proceedings of MOST (Mobile Open Society through Wireless Telecommunication) Conference</i> , ISBN 83-87091-32-4, 7-8 October 2002, Warsaw, Poland, pp. 40.
51.	<u>Mircea Giurgiu</u> , “Maximization of Mutual Information for Training Hidden Markov Models in Speech Recognition”, <i>Third COST #276 Workshop on Information and Knowledge Management for Intelligent Media Communications</i> , 11-12 October, 2002,
52.	<u>Budapest, M.Varga</u> , <u>P.G. Pop</u> , “Speaker Verification Experiments Using TESPAN-Neural Networks Method”, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp.164-167
53.	<u>P.G. Pop</u> , <u>E. Lupu</u> , “Speaker Verification Using VQ”, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3, pp 160-163
54.	<u>E. Lupu</u> , <u>R.N. Balan</u> , <u>P.G. Pop</u> , “Low Cost Application for Algorithm Control Study” <i>IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics</i>

	A&QT-R 2002 (THETA 13), May 23-25, 2002, Cluj-Napoca, Romania, ISBN 973-9357-11-1, Vol. II, pp.332-335
55.	E. Lupu, P.G. Pop, Z. Feher, "Speaker Verification Rate Study Using The Tespar Coding Method", <i>The Third COST 276 Workshop on "Information and Knowledge Management for Integrated Media Communication"</i> , 11-12 October 2002, Budapest, Hungary, pp.
56.	L. Gavra, R. Arsinte, D. Petreus, "ECO-Monitor Concept Used in Medical Applications"- Proceedings of International Workshop " Trends and Recent Achievements in Information Technology" - May 16-18, 2002, Cluj-Napoca, Romania, pag. 156-159, ISBN 973-8335-49-3
57.	Radu Arsinte, Laurentiu Gavra, Dorin Petreus, "Options for Digital High-Speed Video and Multimedia Content Transport"- Proceedings of International Workshop " Trends and Recent Achievements in Information Technology", May 16-18, 2002, Cluj-Napoca, Romania, pag. 78-81, ISBN 973-8335-49-3
58.	Radu Arsinte, Laurentiu Gavra, Dorin Petreus, Catalin Constantin, "Some Aspects of Controller Design for a Multimedia LCD Panel Display" – Proceedings of 2002 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics - Cluj-Napoca - May 23-25, 2002 - Tome II –pp. 296-299, ISBN 973-9357-11-1
59.	Laurentiu Gavra, Radu Arsinte, Dorin Petreus, Catalin Constantin, "High Speed Video Signal Transmission Used in Multimedia Applications" - Proceedings of 2002 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics - Cluj-Napoca - May 23-25, 2002 - Tome II -pp. 174-177, ISBN 973-9357-11-1

Punctaj criteriul 21: 383.46

CRITERIUL 24:

Membri in organisme stiintifice internationale/societati profesionale

Nr. Crt	Membri in organisme stiintifice internationale/societati profesionale (nume, organism sau societate profesionala, anul)*
1.	M. Borda – IEEE Information Theory Society, membru din 1990
2.	M. Borda – IEEE Communications Society, membru din 1998
3.	M. Borda – IEEE Signal Processing Society, membru din 2000
4.	Aurel Vlaicu – Membru IEEE Signal Processing Society, din 1990
5.	Aurel Vlaicu – EDEN (European Distance Education Network), membru din 1998
6.	Aurel Vlaicu –EUROPACE, membru din 1998
7.	Aurel Vlaicu –EADTU, membru din 1999
8.	Aurel Vlaicu –ACM (Association for Computer Machinery), membru din 2002
9.	Virgil Dobrota – IEEE Communications Society, membru din 1990
10.	Virgil Dobrota – ACM SIGCOMM, membru din 1994
11.	Tudor Palade – IEEE MTT Society, membru din 1993.
12.	Tudor Palade – IEEE AP Society, membru din 1993
13.	Tudor Palade – IEEE Communications Society, membru din 1993

14.	Tudor Palade – IEEE VT Society, membru din 1993
15.	Tudor Palade – URSI (International Union of Radio Science), membru din 1999
16.	Mircea Vaida – IASTED (International Association of Science and Technology for Development), membru din 2001
17.	Mircea Giurgiu – ELSNET (European Language and Speech Network), membru din 1998
18.	Mircea Giurgiu - ISCA-SIG SLE (International Speech Communication Association, Special Interest Group on Education in Spoken Language Engineering", membru din 2000
19.	Mircea Giurgiu - Socrates Thematic Network an Speech Communication Sciences, membru din 1997
20.	Mircea Giurgiu - NYAS (New-York Academy of Sciences), membru din 1999
21.	Mircea Giurgiu – International Biographical Centre Advisory Council, membru din 1999
22.	Eugen Lupu, „HUMBOLT”, membru simpatizant din 2001
23.	Zsolt A. Polgar – IEEE Communications Society, membru student din 2002
24.	Daniel Zinca – IEEE Communications Society, membru din 1992
25.	Bogdan Orza – EDEN (European Distance Education Network), membru din 1999
26.	Bogdan Orza – IEEE Communications Society, membru student din 2002
27.	Mihai Vancea – IEEE Communications Society, membru student din 2002
28.	Iulian Benta – IEEE Communications Society, membru student din 2002

Punctaj criteriul 24: 140

CRITERIUL 25:

Organizator (charmain/co-charmain) de manifestari stiintifice internationale / membru in comitetele de program

Nr. crt	Organizator (charmain/co-charmain) de manifestari stiintifice internationale / membru in comitetele de program *(nume, manifestare stiintifica, comitet de program, anul)
1.	M. Borda – Organizator si co-editor, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3
2.	M. Borda – Chairman la <i>International Conference on Signal Processing, ICSP 2002</i> , Beijing, China 2002
3.	A. Vlaicu – Membru in Organizing Committee si Scientific Committee la 1st RoEduNet International Conference, Cluj-Napoca, 18-19 April 2002
4.	A. Vlaicu – Co-organizator si co-editor, <i>Proceedings of the International Workshop “Trends and Recent Achievements in Information Technology”</i> , UT Press, Cluj-Napoca, 2002, ISBN: 973-8335-49-3
5.	Aurel Vlaicu – Chairman la sectiunea II.1, International Workshop “Trends and Recent Achievements in Information Technology”, Cluj-Napoca, 16-18 May 2002
6.	A. Vlaicu – Membru in Scientific Committee la <i>IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics A&QT-R 2002 (THETA 13)</i> , May 23-25, 2002, Cluj-Napoca
7.	A. Vlaicu – Chairman, <i>The 8th International Symposium for Design and Technology of Electronic Modules–SIITME 2002</i> , Cluj-Napoca, Romania, Sept. 19-22, 2002

8.	A. Vlaicu – Co-organizator, <i>The Third COST 276 Workshop on “Information and Knowledge Management for Integrated Media Communication”</i> , 11-12 October 2002, Budapest, Hungary
9.	Virgil Dobrota – Membru in Organizing Committee si Scientific Committee la 1st RoEduNet International Conference, Cluj-Napoca, 18-19 April 2002
10.	Virgil Dobrota – Chairman la sesiunea 3B: “New and Alternative Technologies”, 1st RoEduNet International Conference “Networking for Education and Research”, Cluj-Napoca, 18-19 April 2002
11.	Virgil Dobrota – Membru in Scientific Board la International Workshop “Trends and Recent Achievements in Information Technology”, Cluj-Napoca, 16-18 May 2002
12.	Virgil Dobrota – Chairman la sectiunea II.2, International Workshop “Trends and Recent Achievements in Information Technology”, Cluj-Napoca, 16-18 May 2002
13.	Virgil Dobrota - Membru în Technical Program Committee la 12 th IEEE Workshop on Local and Metropolitan Area Networks LANMAN 2002, 11-14 August 2002, Stockholm, Sweden
14.	Virgil Dobrota – Chairman, Session 4 and 5: Quality of Service (I) and (II), 12 th IEEE Workshop on Local and Metropolitan Area Networks LANMAN 2002, 11-14 August 2002, Stockholm, Sweden
15.	Mircea Vaida – Membru in TPC, International Conference on Communications, Internet & Information Technology CIIT’2002, US Virgin Islands, November, 2002
16.	Radu Arsinte – Chairman la sectiunea I.2, International Workshop “Trends and Recent Achievements in Information Technology”, Cluj-Napoca, 16-18 May 2002
17.	Vasile Bota – Co-chairman la sectiunea “Data and Optical Communications 2”, <i>IEEE International Conference “Communications 2002”</i> , Bucharest, 5-7 December 2002

Punctaj criteriul 25: 185

CRITERIUL 26

Profesor invitat pentru prelegeri la universitati de prestigiu din strainatate

Nr. crt	Profesor invitat pentru prelegeri la universitati de prestigiu din strainatate (nume, universitatea care face invitatia, tema prelegerii, anul)*
1.	M. Borda, Linkoping Universitet, Suedia, “Research Topics of the Research Center for Data Processing and Security”, 2002
2.	M. Borda, Duisburg–Mercator University, Germania, “Research Topics in Data Compression and Error Protection”, 2002
3.	M. Borda, Tampere University of Technology, Finlanda, “Research Topics in Digital Watermarking”, 2002
4.	Virgil Dobrota, Universitat Politecnica de Catalunya, Barcelona, Spania, “End-to-End QoS Evaluation for Voice over IP”, grant Socrates, 5 April 2002
5.	T. Palade, Politecnico di Milano, Italia, “Empirical and Physical Models for Cellular Systems”, grant Socrates, 2002
6.	Mircea Giurgiu, Centro de Cultura Ingegneria delle Materie Plastiche (Politecnico di Torino, sede di Alessandria), Italy, “Designing ODL Materials in CONCORDE Project”, grant Leonardo PP141125/2000 (Ref. Director Piero Cavigliasso, pcavigliasso@polito.it), 15 January 2002
7.	Mircea Giurgiu, Instituto Politecnico de Beja (Escola Superior de Educação), Portugalia, “Principles in Development of On-line Resources for Web Applications”, grant Socrates 90120-CP-1-2001-PT (Ref. Prof. Vito Carioca, vcarioca@eseb.ipbeja.pt), 24 February 2002
8.	Mircea Giurgiu, Confederacion Española De Centros de Enseñanza, Instituto de Tecnica Educativas, Madrid, Spain, “Report on Evaluation of ODL Materials in the frame of CONCORDE Project”, grant Leonardo PP141125/2000 (Ref. Luis Lizama, lizama@cece.es) 28 June 2002

9.	Mircea Giurgiu, Universidad del Pais Vasco, Vitoria, Spain, “Development of a Teaching Tool for Language Learning”, grant ANS 8210/02.10.2002 (Ref: Prof. Maria Luisa Lecumberri – fipgalem@vc.ehu.es , Prof. Martin Cooke – mcooke@dcs.shef.ac.uk), 27 September 2002
10.	Mircea Giurgiu, University of Patras, Greece, “Education and Research in Speech Processing at Technical University of Cluj”, (Ref: Prof. George Kokkinakkis, gkokinakkis@wcl.ee.upatras.gr , Prof. Michael Logothetis – mlogo@wcl.ee.upatras.gr), 4 December 2002
11.	Bogdan Orza, University of Madrid, Spain, “Integrated Assessment Environment for Distance Education: Creating and Managing Evaluation Tests for Students”, grant Leonardo “CONCORDE”, 2002

Punctaj criteriul 26: 110

CRITERIUL 27:

Membru in comitetele internationale in domeniul centrului/expert pentru programe internationale

Nr. crt	Membru in comitetele internationale/expert pentru programe internationale, (nume, comitetul al carui membru este unul din membrii echipei centrului, anul)*
1.	Tudor Palade, membru in Management Committee COST 280 din 2001
2.	Mircea Giurgiu, expert evaluator al Comisiei Europene: DG Reaserch – Directorate L, 2002
3.	Mircea Giurgiu, expert evaluator pentru programul Leonardo da Vinci, cod referinta 140325, 2002
4.	Mircea Giurgiu, expert evaluator Agentia INTAS Belgia, cod evaluator: 6467, 2002

Punctaj criteriul 27: 40

CRITERIUL 28:

Granturi de cercetare / proiecte castigate prin competitie internationala

Nr. Crt	Granturi de cercetare / proiecte castigate prin competitie internationala (director/membru grant, titlul, anul)*
1.	<u>G. Todorean</u> , coordonator proiect Leonardo ECNL, 2002
2.	<u>A. Vlaicu</u> – director grant, <u>R.Arsinte</u> , <u>B.Orza</u> – membri, EuroPACE “NetCampus - Improving Open and Distance Learning in a Network”, 2000-2003
3.	<u>A. Vlaicu</u> – director grant, <u>R.Arsinte</u> , <u>B.Orza</u> – membri, COST 276 “Information and Knowledge Management for Integrated Media Communication”, 2001-2005
4.	<u>T. Palade</u> – director grant, <u>N. Crisan</u> , <u>M. Aruncutean</u> , <u>M. Bud</u> – membri, contract IST-199-11571 “EMBRACE: Efficient Millimetre Broadband Radio Access for Convergence and Evolution”, 2001-2002.
5.	<u>T. Palade</u> – director grant, <u>N. Crisan</u> , <u>M. Aruncutean</u> , <u>M. Bud</u> – membri, COST 280 “Propagation Impairment Mitigation for Millimeter Wave Radio Systems”, 2001 –
6.	<u>S.Ozhan</u> – director grant, <u>M. Cremene</u> , <u>I. Benta</u> , <u>R. Padurean</u> – membri, contract IST-1999-11014 “SHUFFLE”, 2001-2002
7.	<u>Mircea Giurgiu</u> , coordonator proiect pilot Leonardo da Vinci, „Acquisition of Complementary Competencies through Open and Distance Education”, RO/00/B/F/PP141125, 2000-2003
8.	<u>Mircea Giurgiu</u> , coordonator local proiect Minerva/Socrates: „Transnational Resources On-Line”, 90120-CP-1-2001-PT, 2002-2003.

Punctaj criteriul 28: 200

CRITERIUL 30:

Contracte internationale de cercetare stiintifica

Nr. Crt	Contracte internationale de cercetare stiintifica * (nume, titlul, anul)
1.	<u>M. Borda</u> – responsabil, <u>R. Terebes</u> – membru, acord bilateral SOCRATES intre Universitatea Tehnica din Cluj-Napoca si ENSEIRB Bordeaux, Franta, 2001-2002
2.	<u>M. Borda</u> – responsabil, <u>R. Terebes</u> – membru, acord bilateral SOCRATES intre Universitatea Tehnica din Cluj-Napoca si Universite Bordeaux, Franta, 2001-2002
3.	<u>A. Vlaicu</u> – responsabil, acord bilateral SOCRATES intre Universitatea Tehnica din Cluj-Napoca si IUT Angers, Franta, 2001-2002
4.	<u>V. Dobrota</u> – responsabil, acord bilateral SOCRATES intre Universitatea Tehnica din Cluj-Napoca si Universitat Politecnica de Catalunya, Barcelona, Spania, 2001-2002
5.	<u>T. Palade</u> – responsabil, <u>M. Bud</u> – membru, acord bilateral SOCRATES intre Universitatea Tehnica din Cluj-Napoca si Politecnico di Milano, Italia, 2001-2002
6.	<u>M.F. Vaida</u> – membru, contract “Stereo-CamerA Based Object Recognition System for Vehicle Application” intre Universitatea Tehnica din Cluj-Napoca si Volkswagen AG Germania, 2002
7.	<u>S. Zahan</u> – responsabil, <u>M. Cremene</u> – membru, acord bilateral SOCRATES intre Universitatea Tehnica din Cluj-Napoca si Universite de Savoie, Chambéry, Franta, 2001-2002
8.	<u>V. Bota</u> – responsabil, <u>Zs. Polgar</u> , <u>M. Varga</u> – membri, contract PPA 01-10 ALCATEL BELL NV, Central Research, “Theoretical and Implementation Aspects Regarding the Performances of the LDPC Coded DMT in xDSL Transmissions”, intre Universitatea Tehnica din Cluj-Napoca si Alcatel Bell NV Antwerp, Belgia.

Punctaj criteriul 30: 120

CRITERIUL 31:

Propuneri de granturi depuse la CNCSIS care nu au fost aprobate

Nr. crt	Propunere grant CNCSIS * (nume, titlul, anul)
1.	<u>Mircea Vaida</u> – director contract, Contract CNCSIS tip A “Dezvoltarea Aplicatiilor de procesare a imaginilor locale si distribuita in domeniul medical”, 2002

Punctaj criteriul 31: 3

CRITERIUL 32:

Propuneri de proiecte de cercetare internațional care nu au fost aprobate (ex. FP5, Eureka, etc.)

Nr. crt	Propunere proiect de cercetare internațional * (nume, titlul, anul)
1.	Dan Ionescu, Kalman Puztai – directori program, <u>Virgil Dobrota</u> , Emil Cebuc, Otto Kreiter – membri, “CAMAN- Automated Very High Speed Metropolitan Area Network for Data and Voice”, NATO Science Programme, Research Infrastructure Support Sub-Programme, Networking Infrastructure Grant
2.	<u>M. Vaida</u> – membru, proiect “Brancusi: Assemblage dynamique de services WEB pour l'accès personnalisé à une encyclopédie multimédia”, 2002
3.	<u>Mircea Giurgiu</u> - responsabil, prepropunere acceptata “EKB – An All European Virtual Knowledge Base”, propunere finala proiect Minerva/Socrates respinsa, Cod identificare: 100532-CP-1-2002-1-AT-Minerva-M, anul 2002

Punctaj criteriul 32: 20

CRITERIUL 33:

Dotarea laboratoarelor de cercetare (sponsorizări, donații, autdotare) –altele decât cele rezultate în cadrul contractelor de cercetare menționate în cadrul criteriilor anterioare

Nr. crt	Dotare cercetare * (nume, titlul, anul)
1.	<u>M. Borda</u> – responsabil, <u>R. Terebes</u> , <u>V. Deac</u> , <u>R. Major</u> – membri, Altera – Field Programmable Gate Array, pentru Centrul de Cercetare pentru Stiinta Prelucrarii si Securitatii Datelor din str. Dorobantilor 71-73, 2002, valoare: 6000 USD
2.	<u>M. Borda</u> – responsabil, <u>R. Terebes</u> , <u>V. Deac</u> , <u>R. Major</u> – membri, Analog Devices – DSP, pentru Centrul de Cercetare pentru Stiinta Prelucrarii si Securitatii Datelor din str. Dorobantilor 71-73, 2002, valoare: 6000 USD
3.	<u>A. Vlaicu</u> – responsabil, <u>D.Pitica</u> , <u>V. Dobrota</u> – membri, Program de dotare a laboratoarelor facultatii finantat de catre fundatia MOTOROLA – proiect depus in mai 2002,
4.	<u>V. Dobrota</u> – responsabil, 3 placi BRI-ISDN (Elsa, Billion si Teles) si convertor de magistrala S pentru ISDN, valoare: 330 USD, 2002
5.	<u>V. Dobrota</u> – responsabil, minicentrala telefonica ISDN de tip ELMEG C43, valoare: 300 USD, 2002
6.	<u>E. Lupu</u> – responsabil, dotare laborator DSP prin donatie Texas Instruments cu module DSP si software, Programul Universitar TI , 2000-2002, valoare: 10.000 USD
7.	<u>R. Arsinte</u> – responsabil, Emulator de interfata I2C pentru investigarea sasiurilor Tv si monitoare bazate pe circuite compatibile I2C, valoare: 300 USD, 2002
8.	<u>R. Arsinte</u> – responsabil, Analizor de fluxuri Digital Video Broadcasting implementat software, programul Mossalina – Snell&Willcox, valoare: 300 USD, 2002

Punctaj criteriul 33: 232

Punctaj total (criteriul 1+ ... +criteriul 33): 2169.73

Data: 27.01.2003

Semnătura.....