

## 1. Datele de autentificare ale unității de cercetare - dezvoltare

1.1. **Denumirea:** Asociația Centrul de Cercetare și Instruire în Robotica, Informatica Industrială și Ingineria Materialelor - CIMR

1.2. **Statutul juridic:** Persoană juridică fără scop patrimonial

1.3. **Actul de înființare:**

**Titlu:** Hotărâre Judecătorească HJ4442/1994

**Data emiterii:** 26 aprilie 1994

**Organul emitent:** Judecătoria Sector 6 București

**Modificări ulterioare:** Certificat de înregistrare a persoanei juridice fără scop patrimonial nr. 161 din 17 februarie 2005

1.4. **Numărul de înregistrare în Registrul potențialilor contractori:** 2829/2005

1.5. **Director general / Director:** Prof. dr. ing. Theodor Borangiu

1.6. **Adresa:** Spl. Independenței, nr. 313, ED 111, Sector 6, București, Cod 060032

1.7. **Telefon:** 021 402 93 14      **Fax:** 021 317 09 12      **Pagină web:** www.cimr.pub.ro

**E-mail:** borangiu@cimr.pub.ro

## 2. Domeniul de specialitate:

2.1. **Conform clasificării UNESCO:** 33. ȘTIINȚE TEHNOLOGICE ▼

2.2. **Conform clasificării CAEN:** 7310/7219

### **3. Starea unității de cercetare - dezvoltare:**

#### **3.1. Misiunea unității de cercetare - dezvoltare, direcțiile de cercetare, dezvoltare, inovare:**

- |  |
|--|
| <p>1. Cercetare si Dezvoltare</p> <ul style="list-style-type: none"><li>* Cercetare fundamentala si aplicativa in domeniul conducerii automate, roboticii, vederii artificiale si sistemelor CIM, tehnologiilor de fabricatie si al materialelor de inalta calitate, sistemelor inteligente</li><li>* Metodologii si sisteme de conducere integrate cu calculator</li><li>* Sisteme deschise de conducere pentru aplicatii in timp real; proiectare sisteme robot, vedere artificiala, automatizare</li></ul> <p>2. Instruire si Calificare</p> <ul style="list-style-type: none"><li>* Instruire in domeniul sistemelor de conducere ingineresti, robotica si CIM, tehnologia informatiilor, transmisii de date, sisteme SCADA, PLC, sisteme integrate de productie</li></ul> <p>3. Proiecte in Cooperare</p> <ul style="list-style-type: none"><li>* Proiecte de cercetare; Organizarea de conferinte, simpozioane si workshop-uri stiintifice</li></ul> |
|--|

#### **3.2. Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora**

<p>Elaborarea de solutii avansate de sisteme de automatizare si conducere cu calculator a proceselor, transfer tehnologic al solutiilor de automatizare, robotizare, control, masurare si supraveghere inteligente. Dezvoltarea cunoasterii si a competentelor profesionale ale resursei umane – tineri cercetatori, studenti si doctoranzi. Rezultatele cercetarii vor fi transferate in programe de curs pentru specialitatile ingineresti: Automatica, Tehnologia Informatiei, Robotica, Conducerea cu Calculator, Modelarea si Planificarea Intreprinderilor.</p>
---

#### **3.3. Situația financiară - datorii la bugetul de stat:**

<p>Nu este cazul.</p>
-----------------------

**4. Criterii primare de performanta****587.835****4.1. Lucrari stiintifice / tehnice publicate in reviste de specialitate cotate ISI****4.1.1. Numar de lucrari stiintifice: 3 x 30**

<b>Nr. Crt.</b>	<b>Data publicarii</b>		<b>Autor(i)</b>	<b>Titlul articolului</b>	<b>Revista ISI</b>	<b>ISSN</b>	<b>Factorul de impact al revistei</b>
	<b>An</b>	<b>Luna</b>					
1	2005		J. Estublier, G. Vega, A.D. Ionita	Composing Domain-Specific Languages for Wide-Scope Software Engineering Applications	Lecture Notes in Computer Science	0302-9743	0.402
2	2006		J. Estublier, A.D. Ionita, G. Vega	Relationships for Domain Reuse and Composition	Journal of Research and Practice in Information Technology	1443-458X	0.465
3	2006	Aprilie	D. Andone, R. Dobrescu, A. Hossu, M. Dobrescu	Application of Fuzzy Model Predictive Control to a Drum-Boiler	Integrated Computer-Aided Engineering	1069-2509	0.7

**4.1.2. Punctaj cumulat ISI: 1.567 x 5****4.1.3. Numar de citari in reviste de specialitate cotate ISI: 10 x 5**

<b>Nr. Crt.</b>	<b>Data citarii</b>		<b>Autor(i)</b>	<b>Titlul articolului citat</b>	<b>Revista ISI in care a fost citat</b>	<b>ISSN</b>
	<b>An</b>	<b>Luna</b>				
1	2005		Theodor Borangiu	Visual Conveyor Tracking for "pick-on-the-fly" robot motion control	International Journal of Control, Automation and Systems	1740-7516
2	2005	Noiembrie	F. Ionescu, R. Dobrescu	Fractal Dimension Based Technique for Database Image Retrieval	Compression et Representation des Signaux Audiovisuels	1108-2750

3	2005	Iulie	R. Dobrescu, M. Dobrescu, F. Talos	Multifractal Medical Image Analysis Using Fractal Dimension	Journal of Neuroscience Methods	0165-0270
4	2006	Ianuarie	I. Fagarasan, S. Ploix, S. Gentil	Causal Fault Detection and Isolation Based on Set-membership Approach	Automatica	0005-1098
5	2006	Iunie	I. Fagarasan, S. Ploix, S. Gentil	Causal Fault Detection and Isolation Based on Set-membership Approach	Control Engineering Practice	0967-0661
6	2006	Septembrie	I. Fagarasan, S. Ploix, S. Gentil	Causal Fault Detection and Isolation Based on Set-membership Approach	Reliability Engineering & System Safety	0951-8320
7	2006	Decembrie	J. Estublier, A.D. Ionita	Extending UML for Model Composition	Science in China Series F: Information Sciences	1009-2757
8	2007	Iunie	I. Fagarasan, S. Ploix, S. Gentil	Causal Fault Detection and Isolation Based on Set-membership Approach	International Journal of General Systems	0308-1079
9	2007	Iunie	I. Fagarasan, S. Ploix, S. Gentil	Causal Fault Detection and Isolation Based on Set-membership Approach	Engineering Applications of Artificial Intelligence	0952-1976
10	2007	Iulie	D. Andone, A. Hossu	Predictive Control Based on Fuzzy Model for Steam Generator	Journal of Intelligent & Robotic Systems	0921-0296

**Total punctaj cap. 4.1.**

147.835
---------

**4. Criterii primare de performanta****4.2. Brevete de inventie****4.2.1. Numar de brevete:**  x 30

<b>Nr. Crt.</b>	<b>Data acordarii</b>		<b>Autor(i)</b>	<b>Denumire brevet</b>	<b>Institutia care a acordat brevetul</b>	<b>Tip brevet</b>
	<b>An</b>	<b>Luna</b>				

**4.2.2. Numar de citari de brevete in sistemul ISI:**  x 5

<b>Nr. Crt.</b>	<b>Data citarii</b>		<b>Autor(i)</b>	<b>Denumirea brevetului citat</b>	<b>Revista ISI in care a fost citat</b>	<b>ISSN</b>
	<b>An</b>	<b>Luna</b>				

**Total punctaj cap. 4.2. :**

**4. Criterii primare de performanta**

587.835

**4.3. Produse si tehnologii rezultate din activitati de cercetare, bazate pe brevete, omologari sau inovatii proprii. Studii prospective si tehnologice si servicii rezultate din activitatea de cercetare-dezvoltare, comandate de beneficiar****4.3.1. Numar de produse, tehnologii, studii, servicii:**

22 x 20

Nr. Crt.	Data acordarii		Tip	Denumire	Institutia utilizatoare	Numarul contractului
	An	Luna				
1	2005	Noiembrie	Produs	Trasabilitatea interfazica a reperelor in sisteme robot – VA	SC SIS SA	RELANSIN 10184/2004
2	2005	Noiembrie	Tehnologie	Instruirea parametrilor modelelor scena-obiect, robot-obiect si gripper-scena, bazat pe interfata grafica utilizator in tehnica de meniu	Univ. Politehnica Bucuresti	CNCSIS 47/2005
3	2005	Decembrie	Tehnologie	Tehnologie de urmarire vizuala a scenelor in miscare accesate de robot bazata pe metoda "variabilelor de banda"	Uni. Politehnica Bucuresti, Univ. Tehnica din Iasi	CNCSIS 47/2005
4	2005	Decembrie	Tehnologie	Tehnologie de urmarire vizuala a scenelor in miscare accesate de robot bazata pe metoda modelarii conveioarelor ca roboti Cartezieni cu $m \leq 3$ grade de libertate	Univ. Politehnica Bucuresti, Univ. din Craiova	CNCSIS 47/2005
5	2005	Decembrie	Produs	Baze de date relationale de tip "operatie tehnologica-reper-resursa robot"	Univ. Transilvania din Brasov, SC SIS SA	RELANSIN 10184/2004
6	2006	Mai	Produs	Evaluarea trasaturilor vectoriale de tip analiza de semnatura: semnatura polara	Univ. Politehnica din Bucuresti, Univ. din Craiova	CEEX 24/2005
7	2006	Mai	Produs	Evaluarea trasaturilor vectoriale de tip analiza de semnatura: semnatura cu offseturi liniare	Univ. Politehnica din Bucuresti, Univ. din Craiova	RELANSIN 10184/2004
8	2006	Mai	Produs	Evaluarea scheletului obiectelor si tehnologie de utilizare in masuratori geometrice si recunoastere a claselor de obiecte	Univ. Politehnica din Bucuresti, Univ. "Dunarea de Jos" din Galati	CNCSIS 145/2004
9	2006	Mai	Studiu	Trasabilitatea interfazica a reperelor in sisteme robot – VA; solutii de implementare prin prelucrari de imagini	Univ. Politehnica din Bucuresti, Univ. "Dunarea de Jos" din Galati	CNCSIS 145/2004

10	2006	Decembrie	Studiu	Studiu de modelare a sistemului de control si comunicatie holonic pentru conditionarea multi-agent a materialelor in celule de fabricatie robotizate	Transilvania din Brasov	CEEX 42/2006
11	2006	Decembrie	Produs	Implementarea si structurarea claselor, tipurilor, datelor si a obiectelor-noduri virtuale pentru proiectarea OO a controlului holonic multi-robot.	Univ. din Craiova, SC ESAT ELECTRIC SRL	CEEX 42/2006
12	2006	Decembrie	Produs	Sistem software de control si comunicatie pentru sistemul holonic multi-robot de conditionare a materialelor	Univ. Tehnica din Iasi, Univ. Transilvania din Brasov	CEEX 42/2006
13	2006	Mai	Studiu	Romanian Research System	UNESCO	
14	2006	Mai	Studiu	Sistemul national de CDI in contextul integrarii in aria europeana a cercetarii	UEFISCSU	10467/09.05.2005
15	2006	Decembrie	Tehnologie	Tehnologie de control automat a miscarii robotilor de constructii	Univ. Tehnica de Constructii din Bucuresti, ICECON SA	CEEX 11/2005
16	2007	Octombrie	Studiu	Managementul cercetarii stiintifice universitare	UEFISCSU	
17	2007	Noiembrie	Tehnologie	Solutie si echipament pentru generarea traiectoriilor de prelucrare pe masini CNC din date de tip "harta de profunzime"	SC EAST ELECTRIC; SC UPETROLAN SA	PNCDI 11-042/2007
18	2007	Decembrie	Studiu	Metoda, algoritm si sistem de programe pentru corectie automata de raza de scula bazate pe imagini cu niveluri de gri	SC SIS SA; SC EAST ELECTRIC SRL	PNCDI 96/2007
19	2007	Octombrie	Studiu	Climbing & Walking Robots Towards New Applications; Modular Walking Robots	UEFISCSU	
20	2007	Decembrie	Produs	Sisteme hardware si software de comanda a miscarii unui robot pentru constructii	Univ. Tehnica de Constructii din Bucuresti, ICECON SA	CEEX 11/2005
21	2007	Decembrie	Tehnologie	Solutie si structura de comanda adaptiva a regimurilor de aschiere pe masini unelte de frezat	Univ. Tehnica din Iasi	PNCDI 96/2007
22	2007	Decembrie	Tehnologie	Solutie pentru scanarea robotizata a suprafetelor 3D in scopul generarii automate a traiectoriilor de aschiere CNC	Univ. din Craiova	PNCDI 96/2007

Total punctaj cap. 4.3.:

440

**5. Criterii secundare de performanta**

950

**5.1. Lucrari stiintifice (tehnice) publicate in reviste de specialitate fara cotatione ISI****5.1.1. Numar de lucrari:**

39 x 5

<b>Nr. Crt.</b>	<b>Data publicarii</b>		<b>Autor(i)</b>	<b>Titlul lucrarii</b>	<b>Revista</b>	<b>ISSN</b>	<b>Tipul revistei</b>
	<b>An</b>	<b>Luna</b>					
1	2005	Aprilie	M. Anghel, V. Sgarciu, D. Anghel	Metodă Hibridă Pentru Descoperirea Automată a Topologiei unei Rețele de Calculatoare	Asigurarea calității	1224-5410	Revista nationala cotata CNCSIS, categoria B
2	2005		V.E. Oltean	On a Game Formulation of a Collision Avoidance Problem	Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique	0035-4066	Revista internationala necotata ISI
3	2005		V.E. Oltean	On the Control Problem in a Class of Hybrid Control Systems	Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique	1224-600X	Revista nationala cotata CNCSIS, categoria B
4	2005	Mai	R. Dobrescu, M. Rothenberg	A Method for Inferencing of Network Characteristics Based on Traffic Similarities	Buletinul stiintific UPB	1454-234x	Revista nationala cotata CNCSIS, categoria B
5	2005	Decembrie	R. Dobrescu, M. Dobrescu, D. Popescu, S. Mocanu	Differential Equations Systems versus Scale Free Networks in Sepsis Modeling	WSEAS Transactions on Information Science and Applications	1790-0832	Revista internationala necotata ISI
6	2005		S. Serban	Optimisation of a Peculiar Class of Bilinair Systems	Analele Universității Titu Maiorescu	1842-0494	Revista nationala cotata CNCSIS, categoria B
7	2005		S. Serban, V. Garban	O Condiție Necesară și Suficientă de Convergență a Proceselor Iterative, prin Utilizarea Operatorilor Acreativi pe Spații Banach și a Principiului Contractiei	Analele Universității Titu Maiorescu	1842-0494	Revista nationala cotata CNCSIS, categoria B



8	2006	Iulie	M. Anghel, V. Sgarciu, P. Mihai	Identificarea proactivă a defectelor în rețelele de calculatoare	Asigurarea calității	1224-5410	Revista nationala cotata CNCSIS, categoria B
9	2006	Octombrie	Th. Borangiu, F. Daniel, S. Anton, A. Dogar, S. Raileanu	Knowledge-Based Holonic Robot Control of Job Shop Assembling	The Journal of Control Engineering and Applied Informatics- CEAI, Vol 8, No 4	1454-8658	Revista nationala cotata CNCSIS, categoria B
10	2006	Decembrie	Th. Borangiu, A. Bruja, F. Anton, S. Tunaru, A. Dogar, L. Divora	Computer Generation of Production Data and Control of a Bricklaying Robot	Buletinul Institutului Politehnic din Iași, editat de Universitatea Tehnică "Gheorghe Asachi" din Iași, Tomul LII (LVI), Fasciculele 7A, secția Construcții de mașini	1011-2855	Revista nationala cotata CNCSIS, categoria B
11	2006	Iunie	M. S. Vlad, V. Sgarciu	Distance Process monitoring using LabView Environment	Proceedings of the 1th AQTR Conference Cluj 2006	1-4244-0360-X	Revista internationala necotata ISI
12	2006		D. Carstoiu, A. Cerneian, S. Bodea, C. Guef	Organizing Web Search Result using Clustering by Compression	The Scientific Buletin of Electrical Engineering Faculty, Valahia University	1453-8202	Revista nationala cotata CNCSIS, categoria B
13	2006	Decembrie	I. Dumitrache, M. Dragoicea	Some Problems of Advanced Mobile Robot Control	The Journal of Control Engineering and Applied Informatics- CEAI	1454-8658	Revista nationala cotata CNCSIS, categoria B
14	2006	Martie	D. Popescu, R. Dobrescu, N. Angelescu, C. Negrescu	Algoritm pentru recunoasterea texturilor pe baza distantei minime in spatiul trasaturilor	Electrotehnica, Electronica, Automatica	1582-5175	Revista nationala cotata CNCSIS, categoria B
15	2006	Aprilie	R. Dobrescu, M. Nicolae, D. Popescu, R. Varbanescu	Protocoale de dirijare a traficului pentru rețele de senzori wireless	Electrotehnica, Electronica, Automatica	1582-5175	Revista nationala cotata CNCSIS, categoria B
16	2006	Octombrie	D. Popescu, M. Nicolae, D. A. Crisan, N. Angheliescu	Fractal and Texture Features in Tumour Detection	WSEAS Trans. on Signal Processing	1790-5022	Revista internationala necotata ISI

17	2006	Mai	R. Dobrescu, M. Dobrescu, S. Mocanu, S. Taralunga	A Fractal Estimator for Comparing Predictors Performance in Lossless Image Compression	WSEAS Transactions on Systems	1109-2777	Revista internationala necotata ISI
18	2006	Mai	D. Popescu, R. Dobrescu, V. Avram, S. Mocanu	Dedicated Primary Image Processors for Mobile Robots	WSEAS Transactions on Systems	1109-2777	Revista internationala necotata ISI
19	2006	Septembrie	R. Dobrescu, M. Dobrescu, S. Mocanu, S. Taralunga	Client-Server Architecture for Parallel Image Processing	WSEAS Transactions on Signal Processing	1790-5022	Revista internationala necotata ISI
20	2006	Noiembrie	D. Popescu, R. Dobrescu, M. Nicolae	Complementary Data Fusion in Mobile Robot Navigation	Buletinul Institutului Politehnic Iasi	1011-2855	Revista nationala cotata CNCSIS, categoria B
21	2006	Decembrie	R. Dobrescu, M. Dobrescu, L. Ichim	Improved Content Based Image Retrieval Techniques with Fractal Discriminator	WSEAS Transactions on Systems	1109-2777	Revista internationala necotata ISI
22	2007	Octombrie	C. Cosoi, V. Sgarciu, M. S. Vlad	Asigning Relevancies to Individual Features for Large Patterns in Artmap Networks	Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium	3-901509-58-5	Revista internationala necotata ISI
23	2007	Octombrie	C. Cosoi, V. Sgarciu, M. S. Vlad	Using a Neural Network to Determine a Cat's Emotional State by its Meow	Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium	3-901509-58-5	Revista internationala necotata ISI
24	2007	Octombrie	V. Sgarciu, I. Rancea	Principles of Functional Verification for Digital Circuits	Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium	3-901509-58-5	Revista internationala necotata ISI
25	2007	Noiembrie	M. S. Vlad, V. Sgarciu	Smart process monitoring using LabVIEW environment	Buletinul stiintific UPB	1454-234x	Revista nationala cotata CNCSIS, categoria B
26	2007		S. Dascalu, S. Buntha, D. Saru, N. Debnath	Software Tool for Naval Surface Warfare Simulation and Training	Journal of Computational Methods in Sciences and Engineering	1472-7978	Revista internationala necotata ISI

27	2007	Iunie	I. Bucur, M. Dragoicea, N. Constantin	Boolean Differential Calculus Applied in Logic Testing	Studies in Informatics and Control	1841-429X	Revista internationala necotata ISI
28	2007	Ianuarie	R. Dobrescu, C. Vasilescu, L.Ichim	Fractal and Scaling Analysis in Tumor Growth Evaluation	WSEAS Transactions on Systems	1109-2777	Revista internationala necotata ISI
29	2007	Ianuarie	R. Dobrescu	A Model of the Immune System Based on Scale Free Networks	WSEAS Transactions on Systems	1109-2777	Revista internationala necotata ISI
30	2007	Martie	D. A. Crisan, M. Lesaru, R. Dobrescu, C. Vasilescu	Utilizarea Spectrului Fractal în Diagnosticarea Leziunilor Mamare	Chirurgia	1842-368X	Revista internationala necotata ISI
31	2007	Iunie	S. Anton, Th. Borangiu, F. D. Anton	Recognizing Articulated Objects In Robotic Tasks	The Journal of Control Engineering and Applied Informatics- CEAI, Vol 9, No 2	1454-8658	Revista nationala cotata CNCSIS, categoria B
32	2007	Octombrie	F.D. Anton, Th.Borangiu, S. Anton, A. Condrut	Remote Control of a Robotized Flexible Workcell Using a Web Interface	Revue Annals of the University of Craiova, Series: Automation, Computers, Electronics and Mechatronics, Universitaria Press Craiova	1841-0626	Revista nationala cotata CNCSIS, categoria B
33	2007	Ianuarie	V. Sgarciu, M. S. Vlad	Secure Personal Identification System using Java Cards	WSEAS Transactions on Information Science and Applications	1790-0832	Revista internationala necotata ISI
34	2007	Ianuarie	M. S. Vlad, V. Sgarciu	A RFID System Designed for Intelligent Manufacturing Process	WSEAS Transactions on Information Science and Applications	1790-0832	Revista internationala necotata ISI
35	2007	Iulie	M. S. Vlad, V. Sgarciu	Biometric-smart Card System for Authentication in Electronic Transactions	Buletinul stiintific UPB	1454-234x	Revista nationala cotata CNCSIS, categoria B
36	2007		D.Popescu, R.Dobrescu, M.Nicolae	Texture Classification and Defect Detection by Statistical Features	International Journal Of Circuits, Systems And Signal Processing	1998-0140	Revista internationala necotata ISI

37	2007		R.Dobrescu, M.Dobrescu, M.Nicolae, D.Popescu	Embedding Wireless Sensors in Uppn Services Networks	International Journal of Communications	1109-9577	Revista internationala necotata ISI
38	2007		S. Leseq, I. Gentil, I. Fagarasan	Fault Isolation Based on Wavelets Transform	The Journal of Control Engineering and Applied Informatics- CEAI	1454-8658	Revista nationala cotata CNCSIS, categoria B
39	2007		V.E. Oltean	On Simulation of Zeno Hybrid Systems	Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique	0035-4066	Revista nationala cotata CNCSIS, categoria B

Total punctaj cap. 5.1.:

195

**5. Criterii secundare de performanta**

950

**5.2. Lucrari stiintifice prezentate la conferinte internationale cu comitet de program****5.2.1. Numar de lucrari prezentate:**

133 x 5

Nr. Crt.	Data publicarii		Autor(i)	Titlul lucrarii	Conferinta
	An	Luna			
1	2005	August	A. Curaj	Project- based National Foresight Exercises	The 4th International Conference: Management of Technological Change, Universitatea Tehnica din Creta, Grecia
2	2005	Septembrie	I. Ion, I. Simionescu, A. Curaj, L. Dulgheru, A. Vasile	The Modular Walking Machine, Platform for Technological Equipments	The 8th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, Londra, Anglia
3	2005	Martie	J. Estublier, A.D. Ionita	Extending UML for Model Composition	ASWEC - Australian Software Engineering Conference
4	2005	Iunie	J. Estublier, A.D. Ionita	A Domain Composition Approach	Int. Conf. on Software Engineering Research and Practice
5	2005	Iulie	A. D. Ionita, J. Estublier, G. Vega	Domaines Reutilisables Diriges par les Modeles	IDM - Inginerie Dirigee par les Modeles
6	2005	Mai	V. Avram, C. Negoescu, D. Popescu	Sensor Data Fusion for Mobile Robot Control and Navigation	The 14th International Workshop on Robotics in Alpe-Adria-Danube Region
7	2005	Mai	N. Angelescu, D. Crisan, R. Dobrescu, D. Popescu	Comparing Methods for Image Texture Analysis: A Survey	The 15th International Conference on Control Systems and Control Science
8	2005	Mai	D. Andone	Fuzzy Rule Base Complexity Reduction: a Survey	The 15th International Conference on Control Systems and Computer Science, Bucuresti, Romania

9	2005	Mai	A. Hossu, D. And one	Recovering Data Transfer Consistency of Ethernet-Based Communication in an Industrial Robotic Application	The 14th International Workshop on Robotics in Alpe-Adria-Danube Region, Bucuresti, Romania
10	2005	Mai	M. Nedelea, D. Saru, S. Mocanu	Web Services – A Case Study	The 15-th International Conference on Control Systems and Computer Science, Bucuresti, Romania
11	2005	Mai	S. Dascalu, M. Chandy, F. Harris, D. Saru	Software Assistant for Students with Learning Disabilities	The 15-th International Conference on Control Systems and Computer Science, Bucuresti, Romania
12	2005	Mai	V.E. Oltean	On a Game Formulation for Mobile Robots Collision Avoidance	14th International Workshop on Robotics in Alpe-Adria-Danube Region, Bucharest
13	2005	Mai	V.E. Oltean	Some Aspects Concerning the Simulation of Sepsis Treatment	15th International Conference on Control Systems and Computer Science, Bucharest
14	2005	Mai	M. Dragoicea	Diversity and Intelligence in Multi-robot Teams	The 15th International Conference on Control Systems and Computer Science, Bucuresti, Romania
15	2005	Mai	M. Dragoicea, T. Serban	Behavioural Diversity in Cooperative Multi-robot Tasks	14th International Workshop on Robotics in Alpe-Adria-Danube Region, Bucharest
16	2005	Mai	R. Dobrescu, M. Nicolae, D. Popescu, R.Varbanescu	Design and Use of a Dedicated Radio Modem for Mobile Sensor Networks	The 15th International Conference on Control Systems and Computer Science
17	2005	Mai	N. Angelescu, D.A.Crisan, R. Dobrescu, D. Popescu	Comparing Methods for Image Texture Analysis: a survey	The 2nd International Symposion on Interdisciplinary Applications of Fractal Analysis
18	2005	Mai	C. Ivan, R.Dobrescu, C. Vasilescu	Using Scale-free Networks to Model Epidemic Broadcast	The 2nd International Symposion on Interdisciplinary Applications of Fractal Analysis

19	2005	Mai	R. Dobrescu, C. Soare	Patient Evolution Prediction with Variables Constructed from Temporal Sequences	The 2nd International Symposium on Interdisciplinary Applications of Fractal Analysis
20	2005	Mai	R. Dobrescu, M. Nicolae, D. Popescu, R.Varbanescu	Design and use of a dedicated radio modem for mobile sensor networks	The 15th International Conference on Control Systems and Computer Science
21	2005	Mai	R. Dobrescu, D. Merezeanu, D. Postelnicescu, R.Petrus	Wireless Communication Infrastructure For A Didactical Mobile Minirobot	The 14th International Workshop on Robotics in Alpe-Adria-Danube
22	2005	Iunie	R. Dobrescu	An Informational Approach in Modeling Molecular Interactivity in Sepsis	The 1st International Humboldt Workshop on Surgical Research
23	2005	Septembrie	R. Dobrescu, M. Dobrescu	A Computational Framework in Modeling Cellular Communication in Sepsis	The 5th WSEAS International Conference on Applied Informatics and Communications
24	2005	Octombrie	R. Dobrescu	Scale Free Networks –A Challenge in Modeling Complexity	The 12th International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation
25	2005	Mai	Th. Borangiu	Guidance Vision for Robots and Part Inspection	The 14th International Conference on Robotics in Alpe-Adria-Danube Region, Bucuresti, Romania
26	2005	Mai	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar, N. Ivanescu, M. Manu	High Speed Real-time Robot Vision Design for Flexible Part Feeding	The 14th International Conference on Robotics in Alpe-Adria-Danube Region, Bucuresti, Romania
27	2005	Mai	Th. Borangiu, F. Anton, A. Dogar, S. Tunaru	Interactive Visual-based Learning of Grasping Model	The 14th International Conference on Robotics in Alpe-Adria-Danube Region, Bucuresti, Romania
28	2005	Mai	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar	Object Recognition Method using a Network Oriented Skeleton Computation	The 14th International Conference on Robotics in Alpe-Adria-Danube Region, Bucuresti, Romania

29	2005	Mai	Th. Borangiu, D. Stefanoiu	Rowobo-An Algorithm of Robot Workspace Boundaries Drawing	The 14th International Conference on Robotics in Alpe-Adria-Danube Region, Bucuresti, Romania
30	2005	Iulie	Th. Borangiu, F. Anton, S. Tunaru, N. Ivanescu	Obstacle Avoidance in Vision Guidance of Robots	The 16th IFAC World Congress International Federation of Automatic Control, Praga, Republica Ceha
31	2005	Iulie	Th. Borangiu, F. Anton, S. Tunaru, M. Manu	Internet-based Messaging and Team Workplace Software for Remote Robot Control	The 18th International Conference on Production Research, Salerno, Italia
32	2005	Mai	M. S. Vlad, I. Rancea, M. Trufas, V. Sgarciu	Acquisition and Monitoring of Process Parameters Using Internet	The 15th International Conference on Control Systems and Computer Science
33	2005	Mai	M. S. Vlad, V. Sgarciu	New data coding approach using quantum cryptography	The 15th International Conference on Control Systems and Computer Science
34	2005	Mai	M. Ceaparu, V. Sgarciu	Distributed Diagnosis Method for Computer Networks	The 15th International Conference on Control Systems and Computer Science
35	2005	Mai	M. Ceaparu, V. Sgarciu	A Theoretical Approach of the Sensor and Transducer Notions with Applications in Robotics	The 14th International Workshop on Robotics in Alpe-Adria-Danube Region
36	2005	Mai	M. Anghel, V. Sgarciu, D. Anghel	Shape Recognition with Edge-Based Features	The 14th International Workshop on Robotics in Alpe-Adria-Danube Region
37	2005	Mai	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar, M. Manu	High Speed, Multitasking Visual Robot Guidance	The 15th International Conference on Control Systems and Computer Science, Bucuresti, Romania
38	2006	Mai	I. Ion, I. Simionescu, A. Curaj, A. Marin	Modular Mobil Mechatronic System Suport of Technological Equipments	Proceedings on Tehnonav Conference, Universitatea Ovidius din Constanta, Romania



39	2006	Iunie	I. Ion, I. Simionescu, A. Curaj, A. Marin	The Stability Displacement of the Modular Mechatronic Mobile System	The 8th International Conference on Mechatronics and Precision Engineering, Acta Tehnica Napocensis, Universitatea Tehnica din Cluj Napoca, Romania
40	2006	Septembrie	I. Ion, A. Curaj, A. Marin	Study of the Modular Walking Robots Feet	The 9th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines, Brussels, Belgia
41	2006	Octombrie	M. Apetroae, A. Curaj	The Strategic Dimension of Knowledge Capital	International Conference on Business Excellence, Brasov, Romania
42	2006	Octombrie	R. Gheorghiu, C. Holeab, P. Brinzea, A. Curaj	The Structured Consultation Process Towards the Determination of the National RDI System Priorities	International Conference on Business Excellence, Brasov, Romania
43	2006	Octombrie	D. Popescu, M. Nicolae, D. A. Crisan, N. Anghelescu	Computer Aided Diagnosis in Mammography Based on Fractal Analysis	The 5th WSEAS International Conference on Nonlinear Analysis; Nonlinear Systems and Chaos
44	2006	Iulie	S. Costinas, Gh. Comanescu, I. Fagarasan	Monitoring Diagnosis and maintenance planning for equipments in Electrical Substatiions	The 6th World Energy System Conference
45	2006	Iulie	D. Andone, I. Fagarasan, A. Hossu, D. Merezeanu	Advanced Control System for Nonlinear Processes	WMSCI - The 10th World Multiconference on Systemics, Cybernetics and Informatics
46	2006	Iulie	I. Fagarasan, D. Andone, S. Iliescu, S. Barbulea	Model-Based Fault Tolerant Control with Application to Heat-Exchangers	WMSCI - The 10th World Multiconference on Systemics, Cybernetics and Informatics
47	2006	Septembrie	D. Andone, I. Fagarasan, M. Dobrescu	Advanced Control of a Steam Generator	The 3rd International IEEE Conference Intelligent Systems
48	2006	Octombrie	I. Fagarasan, P. Arsene, S. Iliescu, S. Barbulea	Parity equations methods for sensor fault detection	The 4th International Colloquium Mathematics in Engineering and Numerical Physics, MENP'4

49	2006	Octombrie	D. Andone, I. Fagarasan, S. Iliescu	Advanced Control Based On Fuzzy Model	WSESC - The 1st International IFAC Workshop on Energy Saving Control in Plants and Buildings
50	2006	Octombrie	I. Fagarasan, D. Andone, S. Iliescu, S. Barbulea	Model-Based Fault Detection And Isolation Of Thermal Processes	WSESC - The 1st International IFAC Workshop on Energy Saving Control in Plants and Buildings
51	2006	Martie	M. Dragoicea	Behaviour-based Multi-Robot System Control	Workshop on Information Systems & Operations Management
52	2006	Iulie	D.Popescu, R.Dobrescu, V.Avrăm, S.Mocanu	Local Processors for on line Processing with Applications in Intelligent Vehicle Technologies	The 10th WSEAS International Conference on Systems
53	2006	Iulie	R. Dobrescu, M. Dobrescu, S. Mocanu, S. Taralunga	Comparing Image Compression Predictors using Fractal Dimension	The 8th WSEAS International Conference on Automatic Control, Modelling and Simulation
54	2006	Iulie	R. Dobrescu, M. Dobrescu, S. Mocanu	Convergence of Communication with Computing for a Remote Oriented Mobile Minirobot	The 12-th IFAC Symposium Information Control Problems in Manufacturing
55	2006	August	R. Dobrescu, M. Nicolae, F. Stoica, R. Varbanescu	Design of an Intelligent Sensor Network Node	The 10th International Conference on Optimization of Electrical and Electronic Equipments
56	2006	Septembrie	R. Dobrescu, M. Dobrescu, L.Ichim	Adding Fractal Dimension as Textural Feature for Content Based Image Retrieval	The 6th WSEAS International Conference on Simulation, Modelling and Optimization
57	2006	Septembrie	R. Dobrescu, D. Andone, M. Dobrescu, S. Mocanu	Differential Equations Systems versus Scale Free Networks in Sepsis Modeling	The 3rd IEEE Conference On Intelligent Systems
58	2006	Septembrie	R. Dobrescu, M. Dobrescu, S. Mocanu, S. Taralunga	Development Platform for Parallel Image Processing	The 6th WSEAS International Conference on Signal, Speech and Image Processing
59	2006	Octombrie	R. Dobrescu	Modeling Complex Biological Systems using Scale Free Nets	The 5th WSEAS International Conference on Nonlinear Analysis, Nonlinear Systems And Chaos

60	2006	Octombrie	R. Dobrescu	Using Fractal Dimension in Tumor Growth Evaluation	The 5th WSEAS International Conference on Nonlinear Analysis, Nonlinear Systems And Chaos
61	2006	Iunie	M. S. Vlad, R. Tatoi, V. Sgarciu	Smart Card and Biometrics Used for Secured Personal Identification System Development	The 15th International Workshop on Robotics in Alpe-Adria-Danube Region
62	2006	Iunie	M. S. Vlad, V. Sgarciu	Adjusting Process Parametres Using Intelligent Transducers and DAQ Boards	The 15th International Workshop on Robotics in Alpe-Adria-Danube Region
63	2006	Octombrie	V. Sgarciu, M. S. Vlad	Smart Card Technology Used in Secured Personal Identification Systems	The 5th WSEAS International Conference on Data Networks, Communications and Computers
64	2006	Octombrie	M. S. Vlad, V. Sgarciu	A System Using RFID Tags Designated for Intelligent Manufacturing Process	The 5th WSEAS International Conference on Data Networks, Communications and Computers
65	2006	Mai	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar, N. Ivanescu	Robot-Vision Based Part Conditioning for Flexible Feeding Devices	The 1st International Conference on Optimization of the Robots and Manipulators, Predeal, Romania
66	2006	Mai	Th. Borangiu, A. Dogar, S. Tunaru, F. Anton, N. Ivanescu	Vision Guided Robotic Grasp Learning Procedure	The 1st International Conference on Optimization of the Robots and Manipulators, Predeal, Romania
67	2006	Mai	F. Anton, Th. Borangiu, S. Tunaru, A. Dogar, S. Gheorghiu	Remote Monitoring and Control of a Robotized Fault Tolerant Workcell	The 12th IFAC Symposium on Information Control Problems in Manufacturing, Saint-Etienne, Franta
68	2006	Mai	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar, N. Ivanescu	Interactive Learning of Scene-Robot Models Based on AI Techniques	The 12th IFAC Symposium on Information Control Problems in Manufacturing, Saint-Etienne, Franta
69	2006	Iunie	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar	A Holonic Fault Tolerant Manufacturing Platform With Multiple Robots	The 15th International Workshop Robotics in Alpe-Adria-Danube Region, Balatonfüred, Ungaria

70	2006	Iunie	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar, N. Ivanescu	Interactive Teaching in Flexible Manufacturing by Remote Robot Vision Learning and Control	The 17th EAEEIE International Conference, Craiova, Romania
71	2006	August	Th. Borangiu, F. Anton, S. Tunaru, A. Dogar	Holonic Control of a Multiple Robot-Vision System with Fault-Tolerant Communication	The 3rd International Conference on Informatics in Control, Automation and Robotics, Setubal, Portugal
72	2006	August	Th. Borangiu, M. Manu, F. Anton, S. Tunaru, A. Dogar	High-speed Robot Motion Control under Visual Guidance	The 12th International Power Electronics and Motion Control Conference, Portoroz, Slovenia
73	2006	Septembrie	Th. Borangiu, A. Bruja, F. Anton, S. Tunaru, A. Dogar, L. Divora	Computer Generation of Production Data and Control of a Bricklaying Robot	The 3rd International Conference on Robotics, Iasi, Romania
74	2007	Februarie	D. Grosu, A. Curaj	Technology Foresight in a Power-Oriented Strategy for Change-Conclusions after the Romanian Technology Foresight Exercise	Foresight for National Science-Technology-Innovation Strategy
75	2007	Mai	C. Warden, A. Curaj	IC Reporting Techniques in Managing a Science and Technology Foresight Exercise The Romanian Case-Study	Intellectual Capital Congress, Inholland University, Haarlem, Olanda
76	2007	Iunie	I. Ion, A. Marin, A. Curaj, L. Vladareanu	Design and Motion Synthesis of Modular Walking Robot MERO	The 16th International Symposium on Measurement and Control Robotics, Varsovia, Polonia
77	2007	Iulie	I. Ion, A. Curaj, A. Marin	Study of the Modular Walking Robots Feet	The 10th International Conference on Climbing and Walking Robots, Nanyang Technological University, Singapore
78	2007	August	C. Holeab, A. Curaj	Social Networks Management in the Romanian Science & Technology Foresight-Case Study	The 5th International Conference on the Management of Technological Changes, Grecia
79	2007	August	M. Apatroae, A. Curaj	Assessing the Scientific Knowledge Capital	The 5th International Conference on the Management of Technological Changes, Grecia
80	2007	Aprilie	A. D. Ionita, J. Estublier, G. Vega	Variations in Model-Based Composition of Domains	SVM-WS - Software and Services Variability Management Workshop Concepts, Models and Tools

81	2007	Septembrie	V. Ionita, A.D. Ionita	Integrated Laboratory for Advanced Characterization of Magnetic Materials	ARM5 - The 5th International Conference New Research Trends in Material Science
82	2007	Septembrie	V. Ionita, A.D. Ionita	Model-Based Software for Integrated Magnetic Material Laboratory	ISEF -Int. Symp. on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering
83	2007	Mai	D. Popescu, N. Angelescu, I. Caciula, I. Udriou	Statistical Features Based Method for Textured Image Classification	The 16th Interbational Conference on Control Systems and Computer Science
84	2007	Iunie	A. Cazan, R. Varbanescu, D. Popescu	Algorithms and Techniques for Image to sound Conversion for Helping the Visually Impaired People - Application Proposal	The 14th International Workshop on Systems, Signals & Image Processing
85	2007	Martie	R. Dobrescu, M. Dobrescu, D. And one	Adding Fractal Dimension as Textural Feature for Analysis of Images from a Cultural Heritage Database	EVA Conference, Electronic Information, the Visual Arts and Beyond, Florenta
86	2007	Mai	D. Carstoiu, A. Cernian, S. Bodea, C. Guef	Combining Conventional Smart Cards with Biometrics Characteristics in the Health Insurence Domains	EMITT - East Mediterranean. International Travel and Tourism
87	2007	Iulie	F. Boulanger, G. Pollailon, D. Carstoiu, A. Cernian	Web Search Based on Clustering by Compression	IADIS - International Conference e-Society
88	2007	Septembrie	D. Carstoiu, A. Cernian, S. Bodea, C. Guef	Using Smart Card with Biometrics Characteristics	The 13th International Symposium on Modeling, Simulation and System's Identification
89	2007	Mai	V.E. Oltean, R.Dobrescu, L. Ichim	State Space Partition and the Lattice Paradigm in Biological Modelling	The 3rd Int. Symposium on „Interdiscip linary approaches in fractal analysis”, Bucharest
90	2007	Mai	V.E. Oltean	An approach for executions continuation in Zeno hybrid systems	The 3rd Int. Symposium on „Interdiscip linary approaches in fractal analysis”, Bucharest
91	2007	Octombrie	V.E. Oltean	On Dynamical Model Building - Interconnected Aspects in Physics and Control Theory	The 3rd Int. Colloquium “Mathematics in Engineering and Numerical Physics”, Bucharest
92	2007	Mai	S. Iliescu, I. Fagarasan, V. Popescu, C. Soare	Modeling and Simulation of Gas Turbines	CSCS'16 - Conference on Control Systems and Computer Science

93	2007	Mai	S. Lesecq, S. Gentil, I. Fagarasan	Fault Isolation Based on Wavelets Transform	CSCS'16 - Conference on Control Systems and Computer Science
94	2007	Iulie	D. Andone, I. Fagarasan, S. Iliescu, A. Hossu	Evolved Fuzzy Control System for a Drum Boiler	ICPS - The 1st IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems
95	2007	Iulie	I. Dumitrache, S. Iliescu	Advanced Concepts in Power Control Systems	ICPS - The 1st IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems
96	2007	Martie	M. Dragoicea	AI-Based Operation Management for Power System Autonomous Control	Workshop on Information Systems & Operations Management
97	2007	Mai	M. Dragoicea	Intelligent Transportation Systems for Disabled People	The 16th International Conference on Control Systems and Computer Science, Bucuresti, Romania
98	2007	Iunie	M. Dragoicea	Strategic Development of Intelligent Transportation Systems for Disabled People	The 16th Int. Workshop International Workshop on Robotics in Alpe-Adria-Danube Region, Ljubljana, Slovenia
99	2007	Mai	R. Dobrescu, M. Dobrescu, S. Taralunga, S. Mocanu	Evaluation of Traffic Control Strategies in Scale Free Nets using a Parallel Processing Simulator	The 3rd International IEEE Scientific Conference on Physics and Control
100	2007	Mai	R. Dobrescu, M. Nicolae, D. Popescu, R. Varbanescu	Analysis of Routing Protocols for Wireless Sensor Networks	The 16th International Conference on Control Systems and Computer Science
101	2007	Mai	R. Dobrescu	Modelling Complexity with Scale Free Networks	IEEE-EURASIP Workshop on Nonlinear Signal and Image Processing
102	2007	Mai	R. Dobrescu, L. Ichim	Fractal Dimension of Mie Scattering Spectra for the Appraisal of Infected HeLa Cells in Culture	The 7th IEEE International Conference on Bioinformatics and Bioengineering

103	2007	Mai	R. Dobrescu, M. F. Destain, S. Mocanu	Visual Inspection System for Automated Sorting of Seeds	Intelligent Assembly and Disassembly Workshop
104	2007	Mai	D. Crisan, R. Dobrescu, P. Planinsic	Mammographic Lesions Discrimination Based on Fractal Dimension as an Indicator	The 14th International Conference on Systems, Signals and Image Processing
105	2007	Mai	R. Dobrescu, S. Mocanu	Using Fractal Dimension as Texture Discriminator for Content Base Image Retrieval	The 14th International Conference on Systems, Signals and Image Processing
106	2007	Mai	R. Dobrescu, E.V. Oltean, D. Popescu	Adaptive Hybrid Model of the Immune System Response	International Symposium on Systems Theory
107	2007	Mai	R. Dobrescu, G.M. Sandulescu, M. Bistran, D. Popescu	The ESTELLA project – A new step towards IP economy: from Wi-Fi to WiMax applications	The 8-th European Conference E-CommLine
108	2007	August	R. Dobrescu, M. Dobrescu, M. Nicolae, D. Popescu	Using UPnP Services With An Intelligent Sensor Network Node	The 7th WSEAS International Conference on Applied Informatics and Communications
109	2007	August	D. Popescu, R. Dobrescu, M. Nicolae, V. Avram	Algorithm Based On Medium Co-Occurrence Matrix For Image Region Classification	The 7th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision
110	2007	Aprilie	Th. Borangiu	Actual R&D Topics in Robotics	Proceeding Volume of the 2nd EUROP_RO Symposium, EUROP_RO European Robotics Platform Romanian Branch, Bucharest
111	2007	Mai	M. S. Vlad, R. Tatoi, V. Sgarciu	Future Security Systems – Storing Biometrics on Smart Cards	The 16th International Conference on Control Systems and Computer Science
112	2007	Mai	M. S. Vlad, M. Ceaparu, V. Sgarciu	Product Traceability – Simulation with Contactless Smart Cards	The 16th International Conference on Control Systems and Computer Science
113	2007	Mai	C. Cosoi, M. S. Vlad, V. Sgarciu	Image Retrieval System Inspired from Antispam Filters	The 16th International Conference on Control Systems and Computer Science
114	2007	Mai	M. Argesanu, V. Sgarciu	Control Device Manager for Smart Transducers Based on HART Communication Protocol	The 16th International Conference on Control Systems and Computer Science

115	2007	Mai	F. D. Anton, Th. Borangiu, S. Anton	An Implementation of High Availability in Networked Robotic Systems	The 4th International Conference on Informatics in Control, Automation and Robotics, Angers, France
116	2007	Mai	Th. Borangiu, L. M. T. Balibrea, F. D. Anton, N. Ivanescu, S. Tunaru, A. Dogar, S. Raileanu	Holonic Fault-Tolerant Control of Networked Robot-Vision Assembly Stations	Intelligent Assembly and Disassembly, Alicante, Spain
117	2007	Mai	Th. Borangiu, A. Dogar, A. Dumitrache	Automatic Generation of 3D Machining Surfaces with Tool Compensation from Graylevel Image Models	Intelligent Assembly and Disassembly, Alicante, Spain
118	2007	Mai	Th. Borangiu, F. D. Anton, N. Ivanescu, S. Tunaru, A. Dogar	Intelligent Job Shop Assembling with Holonic Robot Control	The 16th International Conference on Control Systems and Compute Science, Bucharest, Romania
119	2007	Mai	A. N. Ivanescu, S. Brotac, A. Rosu	Modern Solution for Controlling Combined Fodder Plant	Intelligent Manufacturing Systems, Alicante, Spain
120	2007	Iunie	Th. Borangiu, A. N. Ivanescu, A. Dogar, A. Dumitrache, A. Rosu	Continuous Path Following with Applications in Different Robotic Tasks	The 16 th International Workshop Robotics in Alpe-Adria-Danube Region, Ljubljana, Slovenia
121	2007	Iunie	N. A. Ivanescu, Th. Borangiu, S. Brotac and A. Dogar	Implementation of Sequential Function Charts with Microcontrollers	The 15th Mediterranean Conference on Control and Automation, Athens, Greece
122	2007	Iunie	Th. Borangiu, F. Anton, S. Anton, A. Dogar, A. N. Ivanescu, S. Raileanu, A. Bruja	Embedded Control of a Bricklaying Robot from CAD Production Data	The 16 th International Workshop Robotics in Alpe-Adria-Danube Region, Ljubljana, Slovenia
123	2007	Iunie	A. Bruja, M. Dima, C. Francu, Th. Borangiu	Designing and Working Simulation of the Mechanisms of the Mobile Robot for Construction	The 16 th International Workshop Robotics in Alpe-Adria-Danube Region, Ljubljana, Slovenia
124	2007	Iunie	A. Bruja, M. Dima, C. Francu, Th. Borangiu	Robot Mechanism for 3D Retrieval of Buildings Decorative Elements and Working Simulation	The 16 th International Workshop Robotics in Alpe-Adria-Danube Region, Ljubljana, Slovenia
125	2007	Iulie	D. Popescu, M. Ivanescu, M. Poboroniuc, M. Petrescu, S. Ciprian, L. Frangu, C. Chiculita, Th. Borangiu, F. Anton, S. Anton	Sharing of Education and Research Resources	The 18 th Annual Conference Innovation in Education for Electrical and Information Engineering, Praha, Czech Republic



126	2007	August	R. Dobrescu, S. Taralunga, S. Stefan	Web Traffic Simulation With Scale-Free Network Models	The 7th WSEAS International Conference on Signal Processing, Computational Geometry and Artificial Vision
127	2007	Septembrie	S Anton, Th. Borangiu, F. D. Anton	Visual Planning Using 3D Reconstruction in Intelligent Assembly Lines	The 9th International Conference on the Modern Information Technology in the Innovation Processes of the Industrial Enterprises – MITIP, Florence, Italy
128	2007	Septembrie	F. D. Anton, Th. Borangiu, S. Anton	Advanced Web Interface for Remote Controlling a Robotized Flexible Workcell	The 4th Conference on Management and Control of Production and Logistics - IFAC MCPL, Sibiu, Romania
129	2007	Septembrie	Th. Borangiu, F. Anton, S. Anton	Remote Robot Vision Learning and Control in Flexible Manufacturing Cells	The 4th Conference on Management and Control of Production and Logistics - IFAC MCPL, Sibiu, Romania
130	2007	Octombrie	Th. Borangiu, A. Dogar, A. Dumitrache, F. D. Anton, S. Anton, N. A. Ivanescu	Embedded Numeric-Adaptive Machining Control Based on Data Fusion	IFAC Conference on Cost Effective Automation in Networked Product Development and Manufacturing–CEA ,Monterrey, Mexic
131	2007	Octombrie	Th. Borangiu, S. Raileanu, N. Ivanescu, S. Anton, F. D. Anton, A. Dogar	Rvholon – A Holonic Control Platform for Networked Robots	Conference “Cercetarea de Excelență”, Brasov, Romania
132	2007	Octombrie	F. D. Anton, Th. Borangiu, S. Anton, A. Condrut	Remote Control of a Robotized Flexible Workcell Using a Web Interface	The 13th International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation, Craiova, Romania
133	2007	Octombrie	Th. Borangiu	Trends of Manufacturing Automation in Romania	The 3rd Austrian-Bulgarian Automation Days, Sofia, Bulgaria

Total punctaj cap. 5.2.

665

**5. Criterii secundare de performanta**

950

**5.3. Modele fizice, modele experimentale, modele functionale, prototipuri, normative, proceduri, metodologii, reglementari si planuri tehnice noi sau perfectionate, realizate in cadrul programelor nationale sau comandate de beneficiar**

**5.3.1. Numar de modele, normative, proceduri etc. :** 18 x 5

Nr. Crt.	Data publicarii		Tip	Autor	Denumire
	An	Luna			
1	2005	Noiembrie	Model functional	D. Andone	Sistem de control evoluat integrabil intr-un sistem distribuit de automatizare a proceselor energetice
2	2005	Noiembrie	Model functional	D. Hossu	Mecanism de comunicatie DDE
3	2005		Prototip	R. Dobrescu	Sistem Colaborativ de Prelucrare Distribuita
4	2005		Procedura	R. Dobrescu	Algoritm de planificare partiționată a joburilor de prelucrare distribuita
5	2005		Model functional	R. Dobrescu	Editor 3D in Mediu Virtual Distribuut
6	2005	Mai	Prototip	Th. Borangiu	Sistem de control inteligent al miscarii robotilor prin reactie de trasaturi extrase din imagini, destinat trasabilitatii interfazice a componentelor mecanice
7	2005	Mai	Model functional	Th. Borangiu	Dispozitiv bazat pe vedere artificiala si instalatie robotizata pentru identificarea, localizarea si inspectia automata on-line a produselor pentru controlul de calitate, sortarea si montajul in flux de productie
8	2006	Decembrie	Metodologie	Th. Borangiu	Metodologie orientata-obiect a controlului adaptiv al sistemelor multi-robot de conditionare a materialelor, utilizind conceptul de fabricatie holonica
9	2006	Decembrie	Model experimental	Th. Borangiu	Model experimental al unui dispozitiv bazat pe vedere artificiala si instalatie robotizata pentru identificarea, localizarea si inspectia automata on-line a produselor pentru controlul de calitate, sortarea si montajul in flux de productie
10	2006		Model experimental	R. Dobrescu	Model pentru retele informatice liber scalabile

11	2006		Prototip	R. Dobrescu	Arhitectura hardware si software pentru un nod de comunicatie in retele de senzori mobili
12	2006	Ianuarie	Model functional	D. Hossu	Mecanism de comunicatie Socket
13	2006	Noiembrie	Model functional	D. Hossu	Mecanism de comunicatie OPC
14	2007		Metodologie	R. Dobrescu	Elaborarea unui pachet middleware pentru localizarea si urmarirea obiectelor mobile.
15	2007	Ianuarie	Model functional	D. Hossu	Mecanism de comunicatie HLI Interbus
16	2007	Noiembrie	Model functional	D. Hossu	Comunicatii industriale prin Ethernet IP si Profibus
17	2007	Decembrie	Model functional	Th. Borangiu	Interfata grafica utilizator (GUI) pentru calibrarea, modelarea si instruirea asistata de calculator a aplicatiilor robot-VA
18	2007	Decembrie	Model functional	Th. Borangiu	Solutie, arhitectura hard/soft si sistem de programe de timp real pentru controlul holonic al structurilor de fabricatie de tip "shop-floor"

Total punctaj cap. 5.3.

90
----

**6. Prestigiul profesional**

580

**6.1. Membri (incluzand statutul de recenzor) in colectivele de redactie ale unor reviste (cotate ISI sau incluse in baze de date internationale) sau in colective editoriale ale unor edituri internationale recunoscute**

**Numar de prezente in perioada pentru care se face evaluarea:**

10 x 20

<b>Nr. Crt.</b>	<b>An</b>	<b>Nume</b>	<b>Prenume</b>	<b>Membru in colectiv de redactie (recenzor)</b>	<b>Denumire revista / editura</b>
1	2005	Curaj	Adrian	Revista cotata ISI	International Journal on Production Research/Taylor&Francis
2	2005	Dragoicea	Monica	Revista inclusa in baze de date internationale, altele decat ISI	Control Engineering and Applied Informatics/Romanian Society of Control Engineering and Technical Informatics
3	2006	Oltean	V. E.	Revista cotata ISI	SIAM Journal on Control and Optimization/ Society for Industrial and Applied Mathematics
4	2006	Curaj	Adrian	Revista cotata ISI	International Journal on Production Research/ Taylor&Francis
5	2006	Dragoicea	Monica	Revista inclusa in baze de date internationale, altele decat ISI	Control Engineering and Applied Informatics/Romanian Society of Control Engineering and Technical Informatics
6	2007	Ionita	Anca	Editura internationala recunoscuta	Transactions On Aspect-Oriented Software Development, Special Issue on Aspects and Model-Driven Engineering/Springer
7	2007	Dragoicea	Monica	Revista inclusa in baze de date internationale, altele decat ISI	Control Engineering and Applied Informatics/Romanian Society of Control Engineering and Technical Informatics
8	2007	Borangiu	Theodor	Revista cotata ISI	A Journal of IFAC - Control Engineering Practice/Elsevier Editorial System - PERGAMON Press

9	2007	Borangiu	Theodor	Revista cotata ISI	Robotics and Computer-Integrated Manufacturing - An International Journal Of Manufacturing, Product And Process Development Incorporating Computer Integrated Manufacturing Systems/Elsevier Editorial System - PERGAMON Press
10	2007	Borangiu	Theodor	Revista inclusa in baze de date internationale, altele decat ISI	Studies in Informatics and Control Journal- Informatics and Control Publications/ National Institute for R&D in Informatics

**6.2. Membri in colectivele de redactie ale revistelor recunoscute national (din categoria B in clasificarea CNCSIS)**

Numar de prezente: 17 x 10

<b>Nr. Crt.</b>	<b>An</b>	<b>Nume</b>	<b>Prenume</b>	<b>Denumire revista</b>
1	2005	Curaj	Adrian	Revista de Politica Stiintei si Scientometrie
2	2005	Dobrescu	Radu	Buletinul Stiintific UPB
3	2005	Dragoiea	Monica	Control Engineering and Applied Informatics
4	2006	Curaj	Adrian	Revista de Politica Stiintei si Scientometrie
5	2006	Dragoiea	Monica	Control Engineering and Applied Informatics
6	2006	Borangiu	Theodor	Buletinul Stiintific al Universitatii Politehnica din Bucuresti
7	2007	Curaj	Adrian	Revista de Politica Stiintei si Scientometrie
8	2007	Carstoiu	Dorin	The Scientific Buletin of Electrical Engineering Faculty, Valahia University

9	2007	Dragoicea	Monica	Control Engineering and Applied Informatics
10	2005	Borangiu	Theodor	Buletinul Stiintific al Universitatii Politehnica din Bucuresti
11	2005	Borangiu	Theodor	Control Engineering and Applied Informatics
12	2006	Borangiu	Theodor	Control Engineering and Applied Informatics
13	2007	Borangiu	Theodor	Control Engineering and Applied Informatics
14	2006	Iliescu	Sergiu Stelian	Buletinul Stiintific UPB Seria C: Inginerie Electrica
15	2006	Iliescu	Sergiu Stelian	Journal of information Systems and Operation Management (Universitatea Romano-Americana Bucuresti)
16	2007	Iliescu	Sergiu Stelian	Buletinul Stiintific UPB Seria C: Inginerie Electrica
17	2007	Iliescu	Sergiu Stelian	Journal of information Systems and Operation Management (Universitatea Romano-Americana Bucuresti)

6.3. *Premii internationale obtinute printr-un proces de selectie*

6.4. *Premii nationale ale Academiei Romane*

Numar de premii:  x 20

<i>Nr. Crt.</i>	<i>An</i>	<i>Nume</i>	<i>Prenume</i>	<i>Tipul premiului</i>	<i>Titlul premiului</i>
1	2006	Curaj	Adrian	International	International Project Management Association – IPMA, Prize Winner- National Excellence Project Award, PMI-Romania, Romanian branch of IPMA

**6.5. Conducatori de doctorat, membri ai unitatii de cercetare**

**Numar de conducatori de doctorat:**  x 10

<b>Nr. Crt.</b>	<b>Nume</b>	<b>Prenume</b>
1	Dobrescu	Radu
2	Borangiu	Theodor
3	Iliescu	Sergiu Stelian

**6.6. Numar de doctori in stiinta, membri ai unitatii de cercetare**

**Numar de doctori in stiinta:**  x 10

**Total punctaj cap. 6.**



**7. Venituri realizate prin contracte de cercetare in domeniul pentru care se face evaluarea (in perioada in care se face evaluarea):**

<b>7.1. Numarul si valoarea contractelor de cercetare internationale finantate din fonduri publice</b>		
<b>An</b>	<b>Numar</b>	<b>Valoarea (Euro)</b>
2002		
2003		
2004		
2005		
2006		
2007		

  

<b>7.2. Numarul si valoarea contractelor de cercetare internationale finantate din fonduri private</b>		
<b>An</b>	<b>Numar</b>	<b>Valoarea (Euro)</b>
2002		
2003		
2004		
2005		
2006		
2007	1	8,000.00 €

  

<b>7.3. Numarul si valoare contractelor de cercetare nationale finantate din fonduri publice</b>			
<b>Finantare</b>	<b>An</b>	<b>Numar</b>	<b>Valoarea (RON)</b>
PNCDI	2002		
	2003		
	2004		
	2005	1	35,000.00 lei
	2006	3	93,000.00 lei
	2007	11	3,645,435.00 lei
CEEX	2005	5	208,000.00 lei
	2006	15	1,195,300.00 lei
	2007	15	2,250,501.00 lei
Granturi CNCSIS si Academia Romana	2002		
	2003		
	2004		
	2005	5	64,300.00 lei
	2006	5	143,300.00 lei
	2007	4	346,300.00 lei

<b>7.4. Numarul si valoarea contractelor de cercetare nationale finantate din fonduri private</b>		
<b>An</b>	<b>Numar</b>	<b>Valoarea (RON)</b>
2002		
2003		
2004		
2005		
2006		
2007		

<b>7.5. Alte surse</b>	
<b>An</b>	<b>Valoarea (RON)</b>
2002	
2003	
2004	
2005	
2006	
2007	

<b>7 bis. Venituri realizate din activitati economice (servicii, microproductie)</b>	
<b>An</b>	<b>Valoarea (RON)</b>
2002	
2003	
2004	
2005	
2006	
2007	

## 8. Resursa umana de cercetare

<b>8.1. Total personal de cercetare care realizeaza venituri din activitatea de cercetare dezvoltare</b>	<b>An</b>	<b>8.1.1. Cercetatori stiintifici gradul 1 (profesori)</b>	<b>din care doctori in stiinta</b>
	2002		
	2003		
	2004		
	2005	11	11
	2006	11	11
	2007	11	11
	<b>An</b>	<b>8.1.2. Cercetatori stiintifici gradul 2 (conferentieri)</b>	<b>din care doctori in stiinta</b>
	2002		
	2003		
2004			
2005	4	4	
2006	4	4	
2007	4	4	
<b>60</b>			
<b>din care doctori in stiinta</b>	<b>An</b>	<b>8.1.3. Cercetatori stiintifici gradul 3 (lectori)</b>	<b>din care doctori in stiinta</b>
	2002		
	2003		
	2004		
	2005	1	1
	2006	1	1
	2007	1	1
	<b>48</b>		
	<b>An</b>	<b>8.1.4. Cercetatori stiintifici</b>	<b>din care doctori in stiinta</b>
	2002		
	2003		
	2004		
	2005	3	
	2006	3	
	2007	3	

<i>An</i>	<b>8.1.5. Asistenti de cercetare</b>
2002	
2003	
2004	
2005	
2006	1
2007	2
<i>An</i>	<b>8.1.6. Total personal auxiliar de cercetare angajat</b>
2002	
2003	
2004	
2005	
2006	
2007	

<b>8.2. Date privind perfectionarea resursei umane</b>		
<b>8.2.1. Numar de doctoranzi si masteranzi care lucreaza in unitatea de cercetare-dezvoltare la data completarii formularului</b>	12	
<b>8.2.2. Numarul de teze de doctorat realizate in unitatea de cercetare-dezvoltare in perioada pentru care se face evaluarea</b>	<b>An</b>	<b>Numar</b>
	2002	
	2003	
	2004	
	2005	5
	2006	5
	2007	6
Total:	16	

## Raport de autoevaluare

### 4. Criterii primare de performanță 587.83

4.1.	Lucrări științifice / tehnice publicate în reviste de specialitate cotate ISI				<span style="border: 1px solid black; padding: 2px;">147.83</span>
4.1.1.	Număr de lucrări științifice:	<span style="border: 1px solid black; padding: 2px;">3</span>	x 30 =	<span style="border: 1px solid black; padding: 2px;">90</span>	
4.1.2.	Punctaj cumulativ ISI:	<span style="border: 1px solid black; padding: 2px;">1.567</span>	x 5 =	<span style="border: 1px solid black; padding: 2px;">7.835</span>	
4.1.3.	Număr de citări în reviste de specialitate cotate ISI:	<span style="border: 1px solid black; padding: 2px;">10</span>	x 5 =	<span style="border: 1px solid black; padding: 2px;">50</span>	
4.2.	Brevete de invenție				<span style="border: 1px solid black; padding: 2px;">0</span>
4.2.1.	Număr de brevete:	<span style="border: 1px solid black; padding: 2px;">0</span>	x 30 =	<span style="border: 1px solid black; padding: 2px;">0</span>	
4.2.2.	Număr de citări de brevete în sistemul ISI:	<span style="border: 1px solid black; padding: 2px;">0</span>	x 5 =	<span style="border: 1px solid black; padding: 2px;">0</span>	
4.3.	Produse și tehnologii rezultate din activități de cercetare, bazate pe brevete, omologări sau inovații proprii. Studii prospective și tehnologice și servicii rezultate din activitatea de cercetare-dezvoltare, comandate de beneficiar	<span style="border: 1px solid black; padding: 2px;">22</span>	x 20 =	<span style="border: 1px solid black; padding: 2px;">440</span>	

### 5. Criterii secundare de performanță 950

5.1.	Lucrări științifice (tehnice) publicate în reviste de specialitate fără cotație ISI	<span style="border: 1px solid black; padding: 2px;">39</span>	x 5 =	<span style="border: 1px solid black; padding: 2px;">195</span>	
5.2.	Lucrări științifice prezentate la conferințe internaționale cu comitet de program	<span style="border: 1px solid black; padding: 2px;">133</span>	x 5 =	<span style="border: 1px solid black; padding: 2px;">665</span>	

5.3. *Modele fizice, modele experimentale, modele functionale, prototipuri, normative, proceduri, metodologii, reglementari si planuri tehnice noi sau perfectionate, realizate in cadrul programelor nationale sau comandate de beneficiar*  x 5 =

**6. Prestigiul profesional**

6.1. *Membri (incluzand statutul de recenzor) in colectivele de redactie ale unor reviste (cotate ISI sau incluse in baze de date internationale) sau in colective editoriale ale unor edituri internationale recunoscute*  x 20 =

6.2. *Membri in colectivele de redactie ale revistelor recunoscute national (din categoria B in clasificarea CNCSIS)*  x 10 =

6.3. *Premii internationale obtinute printr-un proces de selectie*  x 20 =

6.4. *Premii nationale ale Academiei Romane*  x 20 =

6.5. *Conducatori de doctorat, membri ai unitatii de cercetare*  x 10 =

6.6. *Numar de doctori in stiinta, membri ai unitatii de cercetare*  x 10 =

**Total punctaj:**

**Datele prezentate se certifica pe proprie raspundere.**

Rector  
(Nume, Prenume, semnatura, stampila)  
Prof. dr. ing. Theodor BORANGIU