

Iasi, Bulevardul Metalurgiei nr.4
 Cladire 2/0/2, Parter
 J22/957/1999
 RO12552530
 Tel +40232227003
 Fax+40232227000

Following the self-assessment process, according to Government Decision 551/2007, for the purposes of obtaining the R&D unit certificate, the following results were obtained:

SCORE SUMMARY

| No. | Criterion | Relevance factor | No. | Total no. of points |
|-----|---|------------------|-----------|---------------------|
| | <i>PRIMARY PERFORMANCE CRITERIA</i> | | | |
| 4.1 | ISI works | 30 | 3 | 90 |
| | <i>SECONDARY PERFORMANCE CRITERIA</i> | | | |
| 5.1 | Scientific/technical works in specialized magazines, without ISI quotation | 5 | 4 | 20 |
| 5.2 | Scientific works presented at international conferences, with a program committee | 5 | 11 | 55 |
| | PROFESSIONAL PRESTIGE | | | |
| 6.2 | Members in the editorial staff of the magazines acknowledged at a national level (from the B category in the CNCSIS category) | 10 | 0 | 0 |
| 6.3 | International awards obtained via a process of selection | 20 | 5 | 100 |
| 6.5 | PhD thesis coordinators, members of the research unit | 10 | 0 | 0 |
| 6.6 | Number of doctors in science, members of the research units | 10 | 3 | 30 |
| | Total score: | | | 295 |
| | Average score per group member CD | | | 68.6 |



Technical (scientific) works published in ISI quoted specialized magazines

| No. | Work | Authors | Magazine | Volume, page |
|-----|--|---|--|---|
| 1 | Considerations on VoIP Throughput in 802.11 Networks | A.D.Potorac, | Advances in Electrical and Computer Engineering | p. 45–50, Issue 3, oct 2009, DOI: 10.4316/AECE.2009.03009, ISSN: 1582-7445, e-ISSN: 1844-7600 |
| 2 | An Efficiency Optimization Model for 802.11 Wireless Communication Channels | A. Potorac, D. A. Onofrei, A. Balan | Electronics and Electrical Engineering journal, section T180 Telecommunication Engineering | No. 1(97)/2010, p.67-73, ISSN 1392 – 1215 |
| 3 | <i>RFID@B2B a Powerful Enabler of Business Transformation</i> ISSN: 1392-1215, Vol: 5, Nr: 93, pag. 59-64 | Cristina Elena TURCU, Remus Catalin PRODAN, Marius CERLINCA, Corneliu Octavian TURCU, Tudor-Ioan CERLINCA | ELECTRONICS AND ELECTRICAL ENGINEERING (ELEKTRONIKA IR ELEKTROTECHNIKA), Kaunas | ISSN: 1392-1215, Vol: 5, Nr: 93, pag. 59-64, (2009) |

Technical (scientific) works published in ISI unquoted specialized magazines *8

| No. | Work | Authors | Magazine | Volume, page |
|-----|--|--|--|--|
| 1 | The Impact of Security Overheads on 802.11 WLAN Throughput | A.D.Potorac , D.Balan | Journal of Computer Science and Control Systems | vol.2, Nr.1, 2009, p.47-52, ISSN 1844-6043 (B+) |
| 2 | <i>Integrating Mobile Applications into RFID Based B2B Systems,</i> | Tudor-Ioan CERLINCA , Cristina Elena TURCU, Marius CERLINCA | 22nd International Conference on Advanced Information Networking and Applications, 25-28 Martie, 2008, Gino-wan, Okinawa, Japan, | ISSB/ISBN: 978-0-7695-3096-3, Pagini: 1341-1345 |
| 3 | <i>An Integrated RFID-Based B2B System for Supply Chain Logistics and Warehousing, Vol: 1,</i> | Cristina Elena TURCU, Marius CERLINCA, Tudor-Ioan CERLINCA, Remus Catalin PRODAN, Corneliu Octavian TURCU, Felicia GIZA, Valentin POPA | International Journal of Computers and Communications, | Nr: 3, pag. 90-98, . (2007) |
| 4 | <i>AN RFID-BASED CLINICAL INFORMATION SYSTEM FOR IDENTIFICATION AND MONITORING OF PATIENTS</i> | Cristina Elena TURCU, Tudor-Ioan CERLINCA , Marius CERLINCA , Remus Catalin PRODAN, Corneliu Octavian TURCU, Felicia GIZA | Advancements of Medical Bioengineering and Informatics, Iasi, (2009) | ISSN: 11111111, pag. 233-237 |

Scientific works presented to international conferences with programme committee

| | <i>Work</i> | <i>Authors</i> | <i>conference</i> | <i>Place & time</i> |
|---|--|--|--|---------------------------------------|
| 1 | <i>High Accuracy Acceleration Measuring Modules with Improved Signal Processing Capabilities</i> | <i>Teodorescu, H-N., <u>Marius Hăgan</u></i> | IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications | Dortmund, Germany, 6-8 September 2007 |
| 2 | <i>The Use of E-learning Technologies: A Case Study</i> | A.Graur, A.D.Potorac | <i>The 3rd International Conference on Interdisciplinarity in Education ICIE'07, ISBN 978-960-89028-4-8, ISSN 1790-661X.</i> | 15-17 martie 2007, Athens, Grecia |
| 3 | Critical Data Streaming on WiFi networks | A.D.Potorac | The 6th RoEduNet International Conference, , p.113-117, ISBN 978-973-746581-8 (ISI Conf) | Craiova, 23-24 noiembrie 2007 |
| 4 | Behavioral Design Approach in Verilog Hardware Description Language | I. Chiuchisan, A.D.Potorac - A | European Conference on the Use of Modern Information and Communication Technologies | Ghent, 13-14 Martie 2008 |
| 5 | Linux HTB Queuing Discipline Implementations | D.G.Balan, A.D.Potorac | The First International Conference on Networked Digital technologies – NDT 2009, | Ostrava, Czech Republic, 2009 |



| | | | | |
|----|---|---|--|---|
| 6 | <i>The Real Potential of an RFID_B2B Integrated Application, ,</i> | Marius CERLINCA , Corneliu Octavian TURCU, Tudor-Ioan CERLINCA , Remus Catalin PRODAN, Felicia GIZA, Alexandru GOLOCA | Development and Application Systems, 22-24 Mai, 2008, SUCEAVA, Romania, (2008) | ISSN/ISBN: 1844-5039, Pagini: 253-260 |
| 7 | <i>Hand Posture Recognition for Human-Robot Interaction, Japan,</i> | Tudor-Ioan CERLINCA , Stefan-Gheorghe PENTIUC, Marius CERLINCA , Radu Daniel VATAVU | Workshop on Multimodal Interfaces for Semantic Interaction | Vol: 1, 15-15 Noiembrie, 2007, Japan, Pagini: 47-50 |
| 8 | Synthesis of Digital Devices with Multiple Commands | Al.Valachi, <u>C.M.Monor</u> , A.St.Baban | SACCS | Iasi, Romania, 2007 |
| 9 | A Multiprocessor Structure Based on NUMA Architecture | Fl.Hoza, <u>C.M.Monor</u> | SACCS | Iasi, Romania, 2007 |
| 10 | An Analysis of Asymmetrical RNSIC Converter with Capacitors on the AC Side for Hihg and Medium Power | R.Chiper, D. Alexa, T.C.Goras, I.V.Pletea, I.M.Pletea , A.Alexandrescu | ISSCS 2007 | 2007, Iasi, Romania. |
| 11 | Phase Rectifier Configuration with Passive Filters and Converter Configurations with Small Harmonic Contents Having Capacitors on the AC Side | R.Chiper , D. Alexa, I.M.Pletea , A. Petrichei | ISETC 2008 | Timisoara,2008 |