

### Papers indexed in international databases

1. **Agavriiloaei Ioan, Mitică Craus, Adrian Alexandrescu**, Performance Evaluation of a Two-Step Clustering Method, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag. 31-43
2. **Alecsa B., A. Onea**, A FPGA Implementation of a Phase Locked Loop for DC Motor Control, *Buletinul Institutului Politehnic din Iasi*, Tome LV(LIX), Fasc. 1, 2009, Automatic Control and Computer Science Section, ISSN 1220-2169, pp 9-21.
3. **Alecsa B., A. Onea**, Comparison Between Two Modulation Techniques for Three Phase Inverters from a Hardware Implementation Point of View, *Buletinul Institutului Politehnic din Iasi*, Tome LVII (LXI), Fasc. 2, 2011, Automatic Control and Computer Science Section, ISSN: 1220 – 2169, pp. 99-110.
4. **Alecsa B., A. Onea**, Hardware Controllers for Data Acquisition with Usage in FPGA Implementation of Control Systems, *Carpathian Journal of Electronic and Computer Engineering*, Vol. 4, no. 1, 2011, ISSN: 1844-9689.
5. **Alexandrescu Adrian, Mitică Craus, Ioan Agavriiloaei**, Determining the Best Mutation Probabilities of a Genetic Algorithm for Mapping Tasks, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag. 21-30
6. Apreutesei G., **N. Apreutesei**, A convergence result for second order difference equations of monotone type, *An. Științ. Univ. Al. I. Cuza Iași*, 57 (2011), supliment, 53-64, ISSN 1221-8421.
7. **Apreutesei N., G. Dimitriu, R. Stefanescu**, Time optimal control problem for predator-prey systems, *Bul. Inst. Politehnic Iasi*, 57 (61) (2011), no. 2, 19-28.
8. **Archip Alexandru, Vasile Manta**, Hypercube Parallel K-Means: a Closer Analysis of the Reduction Stages, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 1, 2011, pag 115-126
9. Astratiei Mircea Ionuț, **Alexandru Archip**, A Practical Case Study on the Performance of Text Classifiers, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 1, 2011, pag. 103-114
10. Bogdănaș Denis, **Alexandru Archip**, Code Quality Assurance by Detecting Clone Expression Removal Opportunities, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag. 69-81
11. **Botan Corneliu, Florin Ostafi**, Suboptimal Control Strategies for Servo Drive Systems, *Buletinul Institutului Politehnic din Iasi*, Tomul LVII (LXI), Fasc. 1, pag. 57-70, 2011
12. **Brăescu C., Lavinia Ferariu**, Real Time Constraints Monitoring for OSEK Applications, *Buletinul Institutului Politehnic din Iași*, Tome LVII (LXI), Fasc. 1, 2011, AUTOMATIC CONTROL and COMPUTER SCIENCE Section, ISSN 1220 – 2169, pp. 41 – 56,

<http://zb.msri.org/ZMATH/serials/en/search/?an=00002662>,

<http://www.ace.tuiasi.ro/index.php?page=678#archive>

13. **Budaciu C. and Lazar C.**, Predictive Control Strategy in delta Domain for Damping Oscillations in Driveline System, *Bul. Inst. Polit. Iasi*, Automatic Control and Computer Science Section, Tome LVII (LXI), Fasc. 4, 2011, ISSN: 1220 – 2169, Zentralblatt Index, IndexCopernicus, <http://www.ace.tuiasi.ro/index.php?page=678>.
14. **Burlacu B., Lavinia Ferariu**, Graph Genetic Prgramming with Heuritics Based Crossover, *Annals of the University of Craiova*, Romania, Series: AUTOMATION, COMPUTERS, ELECTRONICS and MECHATRONICS, ISSN: 1841-0626, Volume 8 (35), 7-13, 2011, <http://journals.indexcopernicus.com/karta.php?action=masterlist&id=5730>, <http://ace.ucv.ro/anale/>
15. **Carpiuc S.C., Patrascu D.I., Lazar C.**, Dynamic Simulator for Interior Permanent Magnet Synchronous Machine Drive, *Journal of Computer Science and Control Systems*, 4 (1), pp. 27-32. 2011. <http://www.doaj.org/doi?func=abstract&id=843109>
16. **Copot C., Burlacu A., Lazăr C.** Image Moments based Predictive Control for Eye-in-Hand Servoing Systems, *Bul. Inst. Polit. Iasi*, Sectia Automatica si Calculatoare, Fasc. 1, pp. 23-37, ISSN 1220-2169. 2011. <http://www.ace.tuiasi.ro/index.php?page=678> )
17. **Copoț C., Burlacu A. and Lazăr C.**, Image moments based predictive control for eye-in-hand servoing systems, *Buletinul Institutului Politehnic din Iași, Automatic Control and Computer Science Section*, Tome LVII (LXI), Fasc. 1. 2011. [http://www.tuiasi.ro/users/103/2\\_fl\\_2011\\_copot.pdf](http://www.tuiasi.ro/users/103/2_fl_2011_copot.pdf)
18. Diaconița Irina, **Florin Leon**, A Learning Model for Intelligent Agents Using Radial Basis Function Neural Networks with Adaptive Training Methods, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag 9-20
19. Hertanu Radu, Radu Olaru, **Camelia Petrescu**, Vertical displacement actuator with non-magnetic body immersed in ferrofluid, *Bul. Inst. Polit. Iasi*, Vol. LVII (LXI), fasc.1, 2011.
20. **Huzum Cristina, Petru Cașcaval**, Dynamic Neighbourhood Pattern-Sensitive Faults in Random-Access Memories. A Fault Coverage Evaluation, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 4, 2011, pag.21-31
21. **Ioan Aleodor Daniel**, Algorithmic Solution for Design and Optimisation of Multi-Phase Pulse Generators, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 3, 2011, pag. 43-59
22. Ionescu D., **B. Ciobanu**, Electromagnetic Parameters Determination for the 5CB and 8CB Liquid Crystals used for Novel Tunable Metamaterials, *Bul. Inst. Polit. Iasi*, Tomul, Fasc. 2, 2011, Secția matematică. Mecanică teoretică. Fizică, ISSN 0304-5188, <http://www.cm.tuiasi.ro/docs/mate%202011%202020romana.pdf>

23. **Kloetzer M., N. Ghita**, On Reducing Complexity in LTL-Based Motion Planning, *Bul. Inst. Polit. Iasi*, Sectia Automatica si Calculatoare, Tome LVII (LXI), Fasc. 4, 2011, ISSN 1220 – 2169 <http://www.ace.tuiasi.ro/index.php?page=678>.
24. **Kloetzer Marius, Narcis Ghiță**, On Reducing Complexity in LTL-Based Motion Planning, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 4, 2011, pag.9-20
25. Pandichi Alin Ionuț, **Florin Leon**, Design and Implementation of a Multiagent System for Auctioning and Voting, *Buletinul Institutului Politehnic din Iasi*, Tomul LVII (LXI), Fasc. 1, pag. 87-102, 2011
26. **Pastravanu O., Mihaela Matcovschi, Alina Doban and Dorian Florescu**, Known and less known connections between the dynamics of discrete-time linear systems and matrix algebra, *Buletinul Institutului Politehnic din Iași*, Automatic Control and Computer Science Section, Tome LVII (LXI), Fasc. 1, 2011, pp. 71 - 85, ISSN 1220 - 2169. [http://www.tuiasi.ro/users/103/5\\_fl\\_2011\\_pastravanu.pdf](http://www.tuiasi.ro/users/103/5_fl_2011_pastravanu.pdf)
27. **Petrescu Camelia**, Eigenvalue determination for a rectangular waveguide with two dielectrics TE in mode, *Bul. Inst. Polit. Iasi*, Vol. LVII (LXI), fasc.4, 2011, pag 9-18.
28. **Petrescu Camelia**, Refraction of TEM waves at the interface between a charged dielectric and a liquid conductor, *Bul. Inst. Polit. Iasi*, vol. LVII (LXI), fasc.1, 2011, pag. 9-17.
29. Popa Cosmin Gabriel, **Andrei Stan**, A Framework Architecture for Easily Designing Applications in Dynamically Partially Reconfigurable Systems, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag. 53-68
30. **Smochină Cristian, Paul Hergheliegiu, Vasile Manta**, Image Processing Techniques Used in Microscopic Image Segmentation, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag. 83-98
31. **Timis Mihai, Alexandru Valachi**, Design Of Asynchronous Automata. Annals Of The Oradea University. Fascicle of Management and Technological Engineering, Volume X (XX), 2011, NR2., ISSN 1583-0691, <http://imtuoradea.ro/auo.fimte/archive.php>
32. **Vieriu George-Emil**, Bogdan-Ioan Aignătoaiei, Radu Ionașcu, Power-Aware Adaptive Routing for Wireless Sensor Networks, *Buletinul Institutului Politehnic din Iași*, Tomul LVII (LXI), Fasc. 2, 2011, pag. 45-52