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PUBLICATIONS LIST

Summary

- 89 Publications in total:**
- 3 Books
- 7 Book Chapters
- 7 Course Notebooks
- 1 Lab Workbooks
- 1 PhD Theses
- 3 PhD Reports
- 26 Journal Papers
- 37 Conference Papers
- 4 Application Notes
- 23 Publications as First Author
- 22 Publications as Single Author
- 62 Citations in total

Publications: Books (3)

- [Book 3] Mihai V. Micea, "Prelucrarea numerica a semnalelor in domeniul timp", in *Colectia Prelucrarea Semnalelor*, Editura Politehnica, Timisoara, Romania, **2009**, 254 pg., ISBN 978-973-625-927-2.
- [Book 2] Mihai V. Micea, "Proiectarea sistemelor timp-real pentru aplicatii critice", in *Colectia Calculatoare - Informatica*, Editura Orizonturi Universitare, Timisoara, Romania, **2005**, 175 pg., ISBN 973-638-222-2.
- [Book 1] Nicolae Robu, Vasile Stoicu Tivadar, Lacramioara Stoicu Tivadar, Mihai V. Micea, "Internet - infrastructura si servicii", in *Colectia Calculatoare*, Editura Politehnica, Timisoara, Romania, **2002**, 330 pg., ISBN 973-625-013-X.

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- [BChp 7]** Mihai Fagadar Cosma, Vladimir I. Cretu, Mihai V. Micea, "Dense and Sparse Optic Flows Aggregation for Accurate Motion Segmentation in Monocular Video Sequences", in *Lecture Notes in Computer Science (LNCS)*, volume 7324, section 25, Aurelio Campilho, Mohamed Kamel (Eds.), Springer Berlin Heidelberg, Aveiro, Portugal, Jun., **2012**, pp. (208 - 215), ISBN 978-3-642-31294-6, ISSN 0302-9743, DOI: 10.1007/978-3-642-31295-3_25. [Indexed: ISI Web of Science, Thomson Reuters].
- [BChp 6]** Mihai V. Micea, Valentin Stangaciu, Cristina Stangaciu, Constantin Filote, "Sensor-Level Real-Time Support for XBee-Based Wireless Communication", in *Advances in Intelligent and Soft Computing (AISC)*, volume 145, section 20, Ford L. Gaol, Quang V. Nguyen (Eds.), Springer Berlin Heidelberg, Berlin, Germany, Jan., **2012**, pp. (147 - 154), ISBN 978-3-642-28307-9, DOI: 10.1007/978-3-642-28308-6_20. [Indexed: ISI Web of Science, Thomson Reuters].
- [BChp 5]** Mihai V. Micea, Andrei Stancovici, Sinziana Indreica, "Distance Measurement for Indoor Robotic Collectives", in *Mobile Robots - Control Architectures, Bio-Interfacing, Navigation, Multi Robot Motion Planning and Operator Training*, section 16, Janusz Bedkowski (Eds.), InTech, Rijeka, Croatia, Dec., **2011**, pp. (353 - 372), ISBN 978-953-307-842-7.
- [BChp 4]** Razvan D. Cioarga, Mihai V. Micea, Vladimir I. Cretu, Daniel Racoceanu, "Emergent Behavior Control Patterns in Robotic Collectives", in *Lecture Notes in Artificial Intelligence (LNAI)*, volume 5928, section 16, Ming Xie, Youlun Xiong, Caihua Xiong, Honghai Liu, Zhencheng Hu (Eds.), Springer Berlin Heidelberg, Singapore, Singapore, Dec., **2009**, pp. (165 - 173), ISBN 978-3-642-10816-7, ISSN 0302-9743, DOI: 10.1007/978-3-642-10817-4_16. [Indexed: ISI Web of Science, Thomson Reuters].

- [BChp 3] Marius Marcu, Dacian Tudor, Sebastian Fuicu, Mihai V. Micea, Silvia Copil-Crisan, Florin Maticu, "Power Characterization of Multi-Threading Mobile Applications", in *New Aspects of Computers*, volume 2, N. E. Mastorakis, V. Mladenov, Z. Bojkovic, D. Simian, S. Kartalopoulos, A. Varonides, et al. (Eds.), WSEAS Press, Heraklion, Greece, Jul., **2008**, pp. (583 - 588), ISBN 978-960-6766-85-5, ISSN 1790-5109. [Indexed: ISI Web of Science, Thomson Reuters].
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Publications: Course Notebooks (7)

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- [CNbk 6] Mihai V. Micea, "Telecomunicatii digitale moderne: Suport de curs", 3-rd Edition, Politehnica University of Timisoara, Timisoara, Romania, Apr., **2008**, 138 pg.. [Print Order 270].
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- [Labs 1] Mihai V. Micea, "Sisteme de achizitie numerica a datelor: Indrumator de laborator", Politehnica University of Timisoara, Timisoara, Romania, Sep., **2000**, 182 pg.. [Print Order 270]. [**Times cited: 1**].

Publications: PhD Theses (1)

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Publications: PhD Reports (3)

- [PhDR 3] Mihai V. Micea, "Proiectarea si implementarea sistemelor timp-real stricte pentru aplicatii critice: sistemul HARETICK", PhD. Report, issue 3, Vladimir I. Cretu (sci. advisor), Politehnica University of Timisoara, Department of Computers, Timisoara, Romania, Nov., **2003**, 74 pg..
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- [PhDR 1] Mihai V. Micea, "Real-Time Data Acquisition and Digital Signal Processing Systems: Present and Prospects", PhD. Report, issue 1, Vladimir I. Cretu (sci. advisor), Politehnica University of Timisoara, Department of Computers, Timisoara, Romania, May., **2002**, 92 pg..

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- [Jrnl 26] Mihai Fagadar Cosma, Marwen Nouri, Vladimir I. Cretu, Mihai V. Micea, "A Combined Optical Flow and Graph Cut Approach for Foreground Extraction in Videoconference Applications", *Studies in Informatics and Control*, volume 21, issue 4, F. G. Filip (Eds.), National Institute for Research and Development in Informatics (ICI), Bucharest, Romania, Dec., **2012**, pp. (413 - 422), ISSN 1220-1766. [Online]. [Indexed: ISI Web of Science, Thomson Reuters].
- [Jrnl 25] Teodor Tite, Catalin Mihai, Georgiana Macariu, Valentin Stangaciu, Mihai V. Micea, Valentin Muresan, Brendan Barry, "moviOS: a Real-Time Multiprocessor Operating System for Multimedia Applications", *Scientific Bulletin of the UPT: Transactions on Automatic Control and Computer Science*, volume 57, issue 1, Octavian Prostean (Eds.), Politehnica University of Timisoara, Timisoara, Romania, Mar., **2012**, pp. (41 - 50), ISSN 1224-600X.
- [Jrnl 24] Mihai V. Micea, Lucian Ungurean, Gabriel N. Carstoiu, Voicu Groza, "Online State-of-Health Assessment for Battery Management Systems", *IEEE Transactions on Instrumentation and Measurement*, volume 60, issue 6, IEEE, Jun., **2011**, pp. (1997 - 2006), ISSN 0018-9456, DOI: 10.1109/TIM.2011.2115630. [Indexed: ISI Web of Science, Thomson Reuters]. [Times cited: 10].
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- [Jrnl 21] Artur M. Kuczapski, Mihai V. Micea, Laurentiu A. Maniu, Vladimir I. Cretu, "Efficient Generation of Near Optimal Initial Populations to Enhance Genetic Algorithms for Job-Shop Scheduling", *Information Technology and Control*, volume 39, issue 1, Rimantas Seinauskas, Dalius Rubliauskas, Laimutis Telksnys (Eds.), Kaunas University of Technology, Kaunas, Lithuania, **2010**, pp. (32 - 37), ISSN 1392-124X. [Online]. [Indexed: ISI Web of Science, Thomson Reuters]. [Times cited: 6].
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- [Jrnl 18] Marius Marcu, Dacian Tudor, Sebastian Fuicu, Silvia Copil-Crisan, Florin Maticu, Mihai V. Micea, "Power Efficiency Study of Multi-threading Applications for Multi-core Mobile Systems", *WSEAS Transactions on Computers*, volume 7, issue 12, World Scientific and Engineering Academy and Society (WSEAS), Wisconsin, USA, Dec., **2008**, pp. (1875 - 1885), ISSN 1109-2750. [Indexed: Compendex, Elsevier, Inc.]. [Times cited: 3].
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- [Jrnl 8] Mihai V. Micea, "Interfacing DAQ Systems to Digital Signal Processors", *Scientific Bulletin of the UPT: Transactions on Automatic Control and Computer Science*, volume 45, issue 4, Stefan Holban (Eds.), Politehnica University of Timisoara, Timisoara, Romania, Oct., **2000**, pp. (23 - 28), ISSN 1224-600X. [Times cited: 1].
- [Jrnl 7] Vladimir I. Cretu, Mihai V. Micea, Iurie Guzun, Viaceslav Guzun, "Aquarius-DSP, from Design to Real-life Applications Integration", *Scientific Bulletin of the UPT: Transactions on Automatic Control and Computer Science*, volume 44, issue 2, Stefan Holban (Eds.), Politehnica University of Timisoara, Timisoara, Romania, **1999**, pp. (5 - 16), ISSN 1224-600X.
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- [Conf 34] Andrei Stancovici, Sinziana Indreica, Mihai V. Micea, Vladimir I. Cretu, Voicu Groza, "Relative localization methodology for autonomous robots in collaborative environments", in *Proceedings of the 30-th IEEE Instrumentation and Measurement Technology Conference, I2MTC 2013*, Max Cortner, Reza Zoughi (Eds.), IEEE, Minneapolis, USA, 06-09 May., **2013**, pp. (1730 - 1733), ISBN 978-1-4673-4621-4, ISSN 1091-5281, DOI: 10.1109/I2MTC.2013.6555711. [CD-ROM support]. [Indexed: ISI Web of Science, Thomson Reuters].
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