

Curriculum Vitae

Milica Jovanovic

A. PERSONAL DATA

Birth date and Place: 04-15-1979 Cuprija

Office Address: Faculty of Electrical Engineering, Beogradska 14, P.O. Box 73,
18000 Nis, Serbia

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B. EDUCATIONAL HISTORY

1994 - 1998 Gimnazija High school, Cuprija, Serbia

1998 - 2003 University of Nis, Faculty of Electrical Engineering Nis, Serbia
Dipl. Ing. in Computer Science (5 years degree)
Diploma work: "VHDL extension for *SimArch* processor-simulator" (in Serbian)
GPA: 8.43/10

2004 –2011 University of Nis, Faculty of Electrical Engineering Nis, Serbia
Master Degree in Electronics
Thesis: "Multichannel MAC Protocols for Wireless Sensor Networks"
Scientific field: "Design and engineering of microsystems" (in Serbian)
Research interests: Embedded systems, digital hardware design, VLSI architectures, wireless sensor networks

2011 - University of Nis, Faculty of Electrical Engineering Nis, Serbia
PhD studies in Electronics (in progress)

C. WORKING EXPERIENCE

2.9.2004. – 15.1.2005 Technical High School, Cuprija, Serbia
Duties: Teach high school students of IV year in subjects:
"Computer and programming", "Computer and informatics",
"AutoCAD"; Administration of network

2005- University of Nis, Faculty of Electrical Engineering, Nis, Serbia
Position: **Research and Teaching Assistant**, Department of Electronics.
Duties: Lectured and counseled students in ten separate courses:
"Digital Electronics", "Microarchitectures", "Programmable

Logic Devices”, Programmable Logic Controllers”, “Computer Networks and Interfaces”, “Microsystems Architectures”, “Internet and Web Technologies”, “Digital System Architecture”, “Microarchitecture”, “Multimedia Communications”

Research: embedded systems, wireless sensor network

D. MAIN RESEARCH PROJECTS

2005 – 2007	<i>Project name:</i> Wireless sensor networks <i>Financial support:</i> Serbian Ministry of Science and Technology
2008 - 2010	<i>Project name:</i> Reconfigurable embedded systems <i>Financial support:</i> Serbian Ministry of Science and Technology
2011-	<i>Project name:</i> Low-Power Reconfigurable Fault-Tolerant Platforms <i>Financial support:</i> Serbian Ministry of Science and Technological Development

E. OTHER

<i>Foreign Languages:</i>	Fluency in English, knowledge of German
<i>Programming languages:</i>	Basic, FORTRAN, Pascal, Ada, C/C++, C#
<i>HDLs:</i>	VHDL, SystemC
<i>Web:</i>	HTML, JavaScript
<i>SDLs:</i>	PCLex
<i>GDLs:</i>	PCYacc
<i>IDS:</i>	Visual Studio .Net, ActiveHDL, Xilinx ISE, Macromedia Dreamweaver
<i>Other:</i>	RUP (<i>Rational Rose</i> and <i>Rational Soda</i>)

F. REFERENCES (2005-)

Journal Papers

- [1] Andrija S. Velimirović, Goran Lj. Djordjević, Maja M. Velimirović, **Milica D. Jovanović**, “A Fuzzy Set-Based Approach to Range-Free Localization in Wireless Sensor Networks”, accepted for publication in *Facta Universitatis, Ser.*

Elect. and Energet., University of Niš, Vol 23, No2, pp. 227-244, August 2010, ISSN 0535-3670

- [2] **Milica Mitić**, Mile Stojčev, „*An Overview of On-Chip Buses*”, *Facta Universitatis, Ser. Elect. and Energet.*, Vol. 19, No. 3, December 2006, pp. 405-428, ISSN 0353-3670, COBISS.SR-ID 12826626

Conference Papers

- [1] B. Petrović, G. Nikolić, Milica Jovanović, “Power Consumption Analysis of Distributed Lift System”, *XLVI International Scientific Conference on Information, Communication and Energy Systems and Technologies, ICEST 2011*, vol. 2, pp. 279- 282, Nis, Serbia, 2011
- [2] **M. D. Jovanovic**, G. Lj. Djordjevic, “Design of a TDMA-based Multi-Channel MAC protocol for Wireless Sensor Networks”, *XLVI International Scientific Conference on Information, Communication and Energy Systems and Technologies, ICEST 2011*, vol. 1, pp. 251- 255, Nis, Serbia, 2011
- [3] **M. D. Jovanovic**, et. al., “Multi-Channel Media Access Control for Wireless Sensor Networks: a Survey”, accepted for publication in *10-th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services , TELSIKS 2011*, vol. 2, pp. 741-744, Nis, Serbia, 2011
- [4] **Milica D. Jovanovic** and Goran Lj. Djordjevic, “CT-MAC: Energy-Efficient Contention-based MAC Protocol for Wireless Sensor Networks”, *XLV International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2010*, Bitola, Macedonia, Jun 2010, vol 1, pp. 19-22, 978-9989-786-57-0
- [5] **Milica Jovanovic** and Goran Lj. Djordjevic, “TFMAC: Multi-channel MAC Protocol for Wireless Sensor Networks” *Proceedings of 8-th International Conference on Telecommunications in Modern Satellite, Cable and Broadcasting Services – TELSIKS 2007*, Nis, Serbia, September 2007, vol , pp. 23-26, 2007, ISBN 1-4244-1467-9
- [6] **Milica Mitić** and Mile Stojčev, “A Survey of Three System-on-Chip Buses: AMBA, CoreConnect and Wishbone”, *ICEST 2006*, pp. 282-286, Sofia, Jun 2006, ISBN-10: 954-9518-37-x, ISBN-13: 978-954-9518-37-5
- [7] D. Stankovic, **M. Mitic**, G. Lj. Djordjevic, “*VHDL Core of a Configurable Microcontroller Intended for FPGA Implementation*”, *Proc. 13th TELFOR 2005*, November, 2005. Beograd, Serbia and Montenegro

Book Chapter

- [1] **M. Mitic**, M. Stojcev, and Z. Stamenkovic, An Overview of SoC Buses, in *Embedded Systems Handbook, Digital Systems and Applications*, V. Oklobdzija (Ed.), chapter 7, CRC Press, Boca Raton, 2008, pp. 7.1- 7.16