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 School of Electrical Engineering, University of Belgrade
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EDUCATION

2011-	PhD Student in Computer Engineering, School of Electrical Engineering, University of Belgrade, Serbia
2004	Dipl. Eng. in Electrical Engineering, School of Electrical Engineering, Department of Computer Engineering and Informatics, University of Belgrade, Serbia.
Diploma work	MPEG 1/2 Multiplexer (supervisor: Prof. Dr Veljko Milutinovic)

WORK EXPERIENCE

2006-	Research Associate, Innovation Centre of School of Electrical Engineering, University of Belgrade
2003-2006	Chief Development Officer, IPSI Belgrade a.d.

PROJECTS

National

2011-	#44006, MNTR , Development of new information and communication technologies by utilizing advanced mathematical methods, Project leader: Mathematical Institute of the Serbian Academy of Sciences and Arts
2012-2013	#451-03-00605/2012-16/198, MNTR , Cloud services for applications with high performance requirements, Project leader: prof. Veljko Milutinovic.
2010-2011	#391-00-00027/2009-02/142, MNTR , Software for acquisition, monitoring and processing of sensor networks data in a public district heating system, Project leader: prof. Veljko Milutinovic.
2008-2009	#451-01-0065/2008-01/128, MNTR , Knowledge network of eGovernment services, Project leader: prof. Veljko Milutinovic.
2007-2008	#451-01-02960/2006-70, MNTR , Interoperability framework for eGovernment services, Project leader: prof. Veljko Milutinovic.

International

2011-2013	EU FP7 #288076, BALCON , Boosting EU-Western Balkan countries research collaboration in the monitoring and control area, Project leader: Q-PLAN North Greece Ltd
2009-2011	EU FP7 #224297, ARTreat , Multi-level patient-specific artery and atherogenesis model for outcome prediction, decision support treatment, and virtual hand-on training, Project leader: Sword Technologies SA, Luxembourg
2008-2010	EU FP7 #205494, ProSense , Promote, mobilize, reinforce and integrate wireless sensor networking research and researchers: towards pervasive networking of WBC and the EU, Project leader: Ericsson Ireland
12 2006 - 10 2008	EU FP6 #045472, We-Go , Enhancing Western Balkan eGovernment expertise, Project leader: Austrian Research Center
07 2004 – 12 2004	Research project , Evaluation of caching algorithms for application in enterprise systems, IPSI Belgrade for StorageTek, USA (now acquired by Oracle inc.)

01 2004 – 06 2004	Research project , Virtualization layer for automated storage management, IPSI Belgrade for StorageTek, USA (now acquired by Oracle inc.)
2004	Research project , Media Retrieval from Partial Downloads, IPSI Belgrade for IPSI Fraunhofer Institute, Germany
09 2003 – 01 2004	Research project , MPEG ½ Multiplexer, IPSI Belgrade for IPSI Fraunhofer Institute, Germany
2010	Industrial Project , MaxQ, IPSI Belgrade for Maxeler Technologies, UK, Role: Team leader
2006	Industrial project , Cache Clearing System, IPSI Belgrade for Dow Jones, USA, Role: Team leader
2005	Industrial project , Nexus: Middleware layer for maintaining consistent view of headquarter database state on client sites, IPSI Belgrade with Finsoft, UK (now acquired by GTech, USA), Role: Development support

PATENTS & PUBLICATIONS

- *International journals*

2013	Babovic Z. , Milutinovic V., "Novel System Architectures for Semantic Based Integration of Sensor Networks", <i>Advances in Computers</i> , accepted for publication in Volume 90, 2013. (M23)
2011	Omerovic S., Babovic Z. , Zilbert T., Milutinovic V., Tomazic S, "Concept Modeling: From Origins to Multimedia", <i>Multimedia Tools and Applications</i> , February 2011, Volume 51(3), pp. 1175-1200, ISSN: 1380-7501. (M23)

- *National journals*

2007	Babovic Z. , Jovic D., Milutinovic V.: Survey of eGovernment Services in Serbia", <i>Informatica</i> , Volume 31(4), December 2007, pp. 379-396., ISSN: 0350-5596. (M53)
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- *International conferences*

2012	Vukasinovic I., Babovic Z. , G. Rakocevic G.: A Survey on the Use of Mobile Agents in Wireless Sensor Networks, <i>2012 IEEE International Conference on Industrial Technology (ICIT2012)</i> , 19-21.03.2012. Athens, Greece, pp. 271-277. (M33)
2011	Babovic, Z. , Jelic, S., Milutinovic, V. "An Architecture for semantic sensor networks integration", <i>ETAI 2011</i> , Ohrid, September 2011. (M33)

- *International conference abstracts*

2011	Babovic, Z. , "The Fraunhofer-IPSI Art Gallery", <i>11th International Scientific conference on Digitalization of Cultural and Scientific Heritage</i> , University Repositories and Distance Learning, Belgrade, Serbia September 2011. (M34)
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- *National conferences*

2011	Savic E., Potic J., Babovic, Z. , Rakocevic G., Strineka V., Dobrota M., Milutinovic V., "Sensor Nets And Data Mining In Medical Applications", <i>YU INFO 2011</i> , Kopaonik, Serbia, March 2011 (M63)
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2009	Babović Z. , Crnjin A., Rakočević G., Stanković M., Stanković S., Perić Ž., Ćirković P., Damnjanović I., Milutinović V., "ProSense Research Activities in Belgrade", <i>TELSIKS</i> , October 2009, pp. 291-294. (M63)
2005	Rudan S., Kovacevic A., Babovic Z. , Jovic D., Milligan C., Milutinovic V., "Optimized resource management of distributed databases of digital signatures in highly-loaded SAN networks", TELFOR, November 2005. (M63)

• *Other relevant publications*

2011	Gavrilovska L., Krco S., Milutinovic V., Stojmenovic I., Trobec R. (Eds.): "Application and Multidisciplinary Aspects of Wireless Sensor Networks: Concepts, Integration, and Case Studies", Springer-Verlag London Limited, 2011, ISBN 9781849965101 (M14)
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LANGUAGES

- Serbian (mother tongue)
- English (advanced level)
- Russian (intermediate level)