



Europass Curriculum Vitae

Project acronym

REVLAB

Abbreviated name of the organization

UNSFTN

Personal information

First name(s) / Surname(s)

Boris DUMNIĆ

Address(es)

University of Novi Sad Faculty of Technical Sciences, Trg Dositeja Obradovica 6, 21000 Novi Sad, Serbia

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Nationality

Serbian

Date of birth

07.08.1976.

Gender

Male

Position / role In the project

Researcher

Work experience

Dates

2004-2013: Research and Teaching Assistant at the University of Novi Sad, Faculty of Technical Sciences

From 2013 to date: Assistant Professor at the University of Novi Sad, Faculty of Technical Sciences

Occupation or position held

Assistant Professor in Electrical Engineering

Main activities and responsibilities

Teaching & Research

Name and address of employer

University of Novi Sad, Faculty of Technical Sciences, Trg Dositeja Obradovica 6, 21000 Novi Sad, Serbia

Type of business or sector

Academic

Education and training

Dates

2013. PhD in Electrical Engineering, University of Novi Sad, Faculty of Technical Sciences

2007. Magister in Electrical Engineering, University of Novi Sad Faculty of Technical Sciences

2003. Diploma (5 years) in Electrical Engineering, University of Novi Sad Faculty of Technical Sciences

Title of qualification awarded

National Vocational Qualification Level 8 (Doctor of Philosophy in Electrical Engineering)

Principal subjects/occupational skills covered

Power Electronics, Renewable energy systems, Electrical drives and machines

Name and type of organisation providing education and training

University of Novi Sad Faculty of Technical Sciences

Level in national or international classification

ISCED Level 6

Personal skills and competences

Mother tongue(s)

Serbian



Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(*) Common European Framework of Reference for Languages

Organisational skills and competences

Participated in 2 international scientific projects and more than 10 national projects. Took part in organisation of several international conferences.

Technical skills and competences

Expertise in computer simulation using Matlab/Simulink, expertise in real-time digital control of electrical drives, expertise in renewable energy system, especially wind and solar energy applications, experience in measurement technique (oscilloscope) and hardware knowledge, experience in education and knowledge transfer.

Computer skills and competences

Experience in Matlab/Simulink, DSP programming tools, well acquainted with the use of Microsoft Office tools (Word, Excel and PowerPoint) and CAD applications.

Additional information

Selected Publications:

1. **B. Dumnic**, V. Katic, V. Vasic, D. Milicevic, M. Delimar, "An Improved MRAS Based Sensorless Vector Control Method for Wind Power Generator" Journal of Applied Research and Technology – JART, Vol. 10. no. 5, October 2012, Center for Applied Sciences and Technological Development, National Autonomous University of Mexico (UNAM), ISSN: 1665-6423, pp. 687-697, [Online]. Available: http://www.jart.ccadet.unam.mx/volumen10_5.htm
2. Z. Čorba, V. Katić, **B. Dumnić**, D. Milićević "In-Grid Solar-to-Electrical Energy Conversion Systems Modeling and Testing", Thermal Science - International Scientific Journal, Vol. 16 (Suppl. 1), 2012, Vinča Institute of Nuclear Sciences, Belgrade, ISSN: 0354-9836, UDC 621, pp. S159 - S171, [Online]. Available: DOI: 10.2298/TSCI120224069C
3. Vladimir A. Katić, **Boris P. Dumnić**, Nenad A. Katić, Dragan M. Milićević, Stevan U. Grabić "Potentials and Market Prospects of Wind Energy In the Province of Vojvodina", Thermal Science - International Scientific Journal, Vol. 16 (Suppl. 1), 2012, Vinča Institute of Nuclear Sciences, Belgrade, ISSN: 0354-9836, UDC 621, pp. S141 - S157, [Online]. Available: DOI: 10.2298/TSCI120229068K
4. Filip Kulić, Dragan Matić, **Boris Dumnić**, Veran Vasić, "Optimal fuzzy controller tuned by TV-PSO for induction motor speed control", Advances in Electrical and Computer Engineering, Publisher: Faculty of Electrical Engineering and Computer, University Stefan cel Mare, Suceava, Romania, Volume 11, Issue 1, Year 2011, On page(s): 49 – 54, Print ISSN: 1582-7445, Online ISSN: 1844-7600, doi: 10.4316/AECE.2011.01008, Online available: <http://dx.doi.org/10.4316/AECE.2011.01008>

Selected projects:

1. Cost Effective & Environmentally Friendly Energy Systems (Grant No. CD_JEP-18126-2003.), TEMPUS, financed by EU (2004.-2007)., project leader Prof. Dr. Vladimir Katic
2. Smart Electricity Distribution Grids Based on Distribution Management System and Distributed Generation (Grant No. III 42004), financed by the Ministry of Science and Technological Development of Republic of Serbia (2011-2014), project leader Prof. Dr. Dragan Popovic
3. The new energy management solutions in the wind energy converters (Grant No. TR17022), financed by Provincial Secretariat for Science and Technological Development, project leader Prof. Dr. Vladimir Katic
4. Research and Development of Energy Efficient Systems and Power Plants for Electric Cars (Grant NO.) financed by Provincial Secretariat for Science and Technological Development (2011-2014), project leader Prof. Dr. Vladimir Katic

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