

Name, Affiliation and Contact

Dinko Vukadinović, Full Professor

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Biographical Sketch

Dinko Vukadinović was born in Banja Luka, Bosnia and Herzegovina, in 1973. He received the B.E. degree from the University of Split, the M.E. degree from the University of Zagreb and the Ph.D. degree from the University of Split, Croatia, in 1997, 2002 and 2005, respectively, all in electrical engineering.

He became a junior researcher in the University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture (FESB), Department of Electric Power Engineering, in 1998. In 2006, he became an Assistant Professor at the University of Split and in 2009 he became an Associate Professor at the University of Split. In 2013, he became a Full Professor at the same university. In 2009, he also became a Chair of Power Electronics and Control at the University of Split, FESB.

He is editorial board member of the following international scientific journals: Journal of Convergence Information Technology, International Journal of Innovative Research and Development, Electrical and Electronic Engineering, International Science Journal, and Artificial Intelligence and Applications.

His current research interests include induction machine control systems, power electronics, digital signal processors and artificial intelligence. He has published a number of papers in scientific journals and conferences.

Education

Degree	Year	Field of study	Institute attended
B. Sc. EE	1997	Electrical Engineering	University of Split, Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture
M. Sc. EE	2002	Electrical Engineering	University of Zagreb, Faculty of Electrical Engineering and Computer Science
Ph. D. EE	2005	Electrical Engineering	University of Split, Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture

Career			
From	TO	Position	Institute
1996	2006	Junior researcher	Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture
2006	2009	Assistant Professor	Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture
2009	2013	Associate Professor	Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture
2013		Full Professor	Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture

Honors/Award		
Year	Award title	Awarded by
1996	Rector's Award	University of Split

Projects			
Starting year	Ending year	Project Title	Funding Agency
1996	2002	Automated drives with ac electric motors	Ministry of Science, Croatia
2002	2005	Numerical Modeling of Processes in Electric Power System	Ministry of Science, Croatia
2008	2014	Electromagnetic influence of electrical power lines and earthing grids	Ministry of Science, Croatia

Publications

(The complete official list: <http://bib.irb.hr/lista-radova?autor=248950&lang=EN>)

Journal papers

1. Vukadinović, D.; Grbin, Š.; Bašić, M.: Experimental Method of Determining the Equivalent Circuit Parameters of a Switched Reluctance Machine, *Advances in Electrical and Computer Engineering*, Vol. 3, No. 15, pp. 93-98, 2015, (ISSN: 1582-7445)
2. Vukadinović, D.; Bašić, M.; Nguyen, C. H.; Vu N. L. Nguyen, T. D.: Hedge-algebra-based voltage controller for a self-excited induction generator, *Control engineering practice*, Vol. 30, pp. 78-90, 2014, (ISSN: 0967-0661)
3. Bašić, M.; Vukadinović, D.; Polić, M.: Analysis of Power Converter Losses in Vector Control System of a Self-Excited Induction Generator, *Journal of Electrical Engineering - Elektrotechnický časopis*, Vol. 65, No. 2, pp. 65-74, 2014, (ISSN 1335-3632)
4. Bašić M., Vukadinović D.: Vector control system of a self-excited induction generator including iron losses and magnetic saturation, *Control Engineering Practice*, Elsevier Ltd., Vol. 21, No. 4, pp. 395-406, 2013, (ISSN: 0967-0661)
5. Bašić, M., Vukadinović, D., Polić, M.: Fuzzy DC-Voltage Controller for a Vector Controlled Stand-Alone Induction Generator, *International journal of circuits, systems and signal processing*, Vol. 7, No. 1, pp. 181-190, 2013, (ISSN: 1998-4464)
6. Bašić M., Vukadinović D., Petrović G.: Dynamic and Pole-Zero Analysis of Self-Excited Induction Generator Using a Novel Model with Iron Losses, *International journal of electrical power energy systems*, Elsevier Ltd., Vol. 42, No. 1, pp. 105-118, 2012, (ISSN: 0142-0615)
7. Vukadinović D., Smajo, M.: Analysis of Magnetic Saturation in Induction Motor Drives, *International Review of Electrical Engineering (IREE)*, Praise Worthy Prize S.r.l., Vol. 3, No.2, pp. 326-336, 2008, (ISSN: 1827-6660)
8. Vukadinović D., Bašić M., Kulišić Lj.: An IRFO System with Stator and Rotor Resistance Identification for the Induction Motor, *International Review of Electrical Engineering (IREE)*, Praise Worthy Prize S.r.l., Vol. 3, No. 4, pp. 709-720, 2008, (ISSN: 1827-6660)
9. Vukadinović D., Smajo, M. and Kulišić Lj.: Rotor Resistance Identification in an IRFO System of a Saturated Induction Motor, *International Journal of Robotics and Automation*, Acta Press, Vol. 24, No. 1, pp. 38-47, 2009, (ISSN: 0826-8185)
10. Vukadinović D., Bašić M., Kulišić Lj.: Stator Resistance Identification based on Neural and Fuzzy Logic Principles in an Induction Motor Drive, *Neurocomputing*, Elsevier B.V., Vol. 73, No. 4-6, pp. 602-612, 2010, (ISSN: 0925-2312)
11. Vukadinović D., Bašić M.: A stand-alone induction generator with improved stator flux oriented control, *Journal of Electrical Engineering- Elektrotechnický časopis*, Publishing House of the Slovak University of Technology, Vol. 62, No. 2, pp. 65-72, 2011, (ISSN: 1335-3632)
12. Bašić M., Vukadinović D.: Novel dynamic model of self-excited induction generator with iron losses, *International Journal of Mathematical Models and Methods in Applied Sciences*, The North Atlantic University Union (NAUN), Vol. 5, No. 2, pp. 221-229, 2011, (ISSN: 1998-0140)
13. Smajo, J., Vukadinović D.: Electromagnetic Torque Analysis of a DFIG for Wind Turbines, *WSEAS Transactions on Systems*, WSEAS Press, Vol.7, No. 8, pp. 479-488, 2008, (ISSN: 1109-2777)
14. Smajo J. Smajo M., Vukadinović D.: Impact of Reference Value of Wind Turbine Active Power to the Distribution of Doubly-Fed Induction Generator Power, *WSEAS Transactions on Systems*, WSEAS Press, Vol. 5, No. 1, p.p. 240-247, 2006, (ISSN: 1109-2777)

Books

1. Vukadinović, D.; Bašić, M.: Artificial Neural Network Applications in Control of Induction Machines, Nova Science Publishers, New York, 2011, (ISBN: 978-1-61209-976-7)
2. Vukadinović, D. (editor): Fuzzy Control Systems, Nova Science Publishers, New York, 2012 (ISBN: 978-1-61324-488-3)
3. Vukadinović, D. (editor): Fuzzy Logic - Applications, Systems and Technologies, Nova Science Publishers, New York, 2013, (ISBN: 978-1-62417-151-2)

Invited presentations to international conferences and/or summer schools

1. Bašić, M.; Vukadinović, D.; Polić, M.: Fuzzy Logic vs. Classical PI Voltage Controller for a Self-Excited Induction Generator, Mathematical Applications in Science and Mechanics - Proceedings of the 4th European Conference for the Applied Mathematics and Informatics (AMATHI '13), Dubrovnik, WSEAS Press, (2013), pp. 189-194
2. Vukadinović, D.; Grbin Š.; Bašić, M.: Novel Equivalent Circuit of Switched Reluctance Machine with Iron Losses, Mathematical Applications in Science and Mechanics - Proceedings of the 4th European Conference for the Applied Mathematics and Informatics (AMATHI '13), Dubrovnik, WSEAS Press, (2013), pp. 195-199
3. Vukadinović, D.: Neural Network and Fuzzy Logic Based Control of Induction Machines, Mathematical Applications in Science and Mechanics - Proceedings of the 4th European Conference for the Applied Mathematics and Informatics (AMATHI '13), Dubrovnik, WSEAS Press, (2013), plenary lecture
4. Bašić, M.; Vukadinović, D.; Lukač, D.: Analysis of an Enhanced SEIG Model Including Iron Losses, Proceedings of the WSEAS Conference EEESD '10, Timisoara, WSEAS Press, (2010), pp. 37-42