Curriculum Vitae

Personal information

First name(s) / Surname(s)	VERA MARKOVIĆ
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Nationality	Serbian
Date of birth	01/10/1956
Gender	female
Marital status	married, one daughter

Work experience

Academic positions	2002 – present: full professor, University of Niš, Faculty of Electronic Engineering 1992 - 1997 associate professor, University of Niš, Faculty of Electronic Engineering 1992 - 1997 assistant professor, University of Niš, Faculty of Electronic Engineering 1987 - 1992 teaching assistant, University of Niš, Faculty of Electronic Engineering 1981 - 1987 – Assistant trainee at the FEE, University of Niš, Serbia
Current occupation or position held	full professor
Main activities and responsibilities	teaching, research, project management
Name and address of employer	University of Niš, Faculty of Electronic Engineering, Aleksandra Medvedeva 14, 18000 Niš, Serbia
Type of business or sector	Public (university) sector

Education and training

Dates	1992 - Ph.D. degree in electrical engineering from the University of Niš 1985 - Magister degree in electrical engineering from the University of Niš, 1980 - graduated (5 years study - MSc equivalent) in electrical engineering at the University of Nis
Study and research visits	1989 – University of Bochum, Germany 2002 – University of Hannover, Germany 2006 – University of Ulm, Germany 2007 – University of Westminster, London, UK

Teaching and research

Teaching and supervising

Involved in the teaching process at all levels. The list of subjects includes, among others, the following:

- Wireless communications
- Microwave Technique
- Microwave Electronics
- Microwave Telecommunication Systems
- Mobile Communication Systems
- Satellite Communications
- Telecommunication Software
- Fundamentals of Electrical Engineering
- Circuit Theory
- Electromagnetics, etc.

Author/coauthor of several textbooks/scripts for students.
Supervisor of 2 PhD theses, 4 Magister theses and a lot of Master theses.

Research interests

Modeling of microwave devices, application of artificial neural networks in microwave CAD techniques, wireless communications, biological effects of microwave radiation of the mobile communication systems

Publications

Author/coauthor of chapters in two books of international importance, a monograph of national importance and over 270 papers in international or national refereed journals and conference proceedings.

Professional activities

Memberships and assignments

- Vice-Chair of the Executive Committee of the Serbia & Montenegro Section of the international professional association IEEE.
- Member of the IEEE MTT Society, IEEE Communications Society, IEEE Solid-State Circuits Society and IEEE Women in Engineering
- Member of the Scientific Program Committees of the international conferences TELSIKS, ICEST, PES and STS (Safety of Technical Systems).
- Member of the ETRAN Committee for Microwave and Sub-millimetre Technique
- Member of the national Telecommunication Society
- Member of the Scientific Council for Multidisciplinary Studies at the University of Nis
- Member of the Commission for Quality Assurance of the Faculty of Electronic Engineering of the University of Nis
- Member of the Council of the Faculty of Electronic Engineering of the University of Nis, 2004-2007
- Member of DAAD Alumni
- Member of NGO "Equal Opportunities"

Editing

- Editor-in-chief of the national journal “Microwave Review” 2004-2011
- Guest-editor of the journal “Electronics”

Reviewing

- Reviewer of National Commission on accreditation and quality evaluation of higher education institutions and academic curricula in Serbia
- Reviewer of scientific/research projects financed by Serbian Ministry of Science
- Reviewer of several international journals ("IEE Proceedings on Circuits, Devices and Systems", "Microelectronics Reliability", "IET Circuits, Devices & Systems", “International Journal of Microwave and Optical Technology”)
- Reviewer of international and national conferences (TELSIKS, ICEST, PES, STS, ETRAN, YUINFO, TELFOR, etc.)

Projects

- The main coordinator of Erasmus Mundus projects at the University of Nis.
- Contact person of the Erasmus Mundus project "EUROWEB", 2012-2015.
- TEMPUS IV project: "Strengthening the Student Role in Governance and Management of the Universities of Serbia in line with the Bologna Process (SIGMUS)", 2010-2013 (contact person).
- TEMPUS IV project: "Internal Quality Assurance at Serbian Universities (SIQAS)", coordinated by the University of Nis, 2009-2012 (member of the management board)
- TEMPUS IV project: "Governance and Management Reform in Higher Education in Serbia **(**GOMES)", 2010-2013, (involved in the financial management of the project at the University of Niš)
- TEMPUS IV project: "Conversion Courses for Unemployed University Graduates in Serbia (CONCUR)", 2009–2012 (participant)
- TEMPUS IV project: "Strengthening Quality Assurance System within Western Balkans HEIs in Support of National and Regional Planning (CUBRIK)", 2010-2013 (project expert)
- TEMPUS III project: "Development of Master Study Programmes in Telecommunications and Control", Tempus JEP_41112_2006, 2007-2009 (coordinator)
- Tempus project CD_JEP-18105-2003, "Revision of Electrical Engineering Curricula Based on New Technologies and Bologna Recommendations", 2004 – 2007 (participant)
- TEMPUS Individual Mobility Grant, Westminster University, London, UK, 2006 (holder of the grant)
- Bilateral project financed by DAAD (Germany) and Serbian Ministry: "Smart Modeling and Optimization of 3D Structured RF Components", 2012-2013 (coordinator)
- WUS (Austria) CDP+ project No 104 (2), 2006-2007 (coordinator)
- WUS (Austria) Brain Gain Program+ (BGP+), Westminster University, London, UK, 2007 (participant)
- WUS (Austria) MSDP project "Master in Remote Control" coordinated by University of Kragujevac, Technical Faculty of Cacak, 2009-2010 (participant)
- Interdisciplinary project financed by Serbian Ministry: "Monitoring of mobile telecommunication systems electromagnetic radiation in the living environment, analysis of molecular mechanisms and biomarkers of damage after chronic exposure together with the development of a model for risk evaluation as well as protection methods against radiation", 2011-2014 (coordinator of the sub-project)
- Project financed by Serbian Ministry: "Research and development of solutions for performance improvement of microwave and millimetre-wave wireless communication systems" 2011-2014 (participant)
- Participated in more than 20 earlier scientific and research projects in the area of basic research and technological development financed by Serbian Ministry (leading some of them).

Skills and competences

Mother tongue(s): Serbian

Other language(s): English, German

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	B2	independent user	C1	proficient user	B2	independent user	B2	independent user	B2	independent user
German	B2	independent user	C1	proficient user	B2	independent user	B2	independent user	B2	independent user

(*) Common European Framework of Reference for Languages

Social skills and competences: Communicative, able to cooperate with other people well and to motivate team members to be hard-working, able to adapt to multicultural environment.

Organisational skills and competences	• Experienced in project management • Expertise in financial management of projects • Expertise in organizing the scientific conferences, workshops and other events • Competent to accomplish all segments of some activity that includes the common work from an idea to the final realization.
Technical skills and competences	Communications engineering skills and competences
Computer skills and competences	Microsoft Office tools, graphic design applications, spreadsheets, databases, programming, specialized programme packages
Artistic skills and competences	Painting/design
Driving licence	Car driving licence (B)

Honours and awards

- The award "Aleksandar Marincic" of the Serbian MTT Society for the best scientific contribution in the 2012 year (chapter in an international book)
- IEEE MTT Society Certificate of Recognition for the local MTT-chapter activities (2003).
- Plaque of the YU IEEE Society for Microwave Technique and Technology
- University Award as the best graduate student in 1980.
- University Award for the best student for each year of studies (1975-1980).

ANNEX: Ten most important publications

chapter in an international book	1. Zlatica Marinković, Olivera Pronić-Rančić, **Vera Marković**, " Artificial Neural Networks as a Tool for Improving Microwave Transistor Empirical Noise Models", Chapter 16 in „Artificial Intelligence and Hybrid Systems" edited by Claudio Rocha, iConcept Press Ltd., 2012, ISBN: 978-14775547-3-9.
chapter in an international book	2. Zlatica Marinković, **Vera Marković**, Alina Caddemi, "Artificial Neural Networks in Small-Signal and Noise Modeling of Microwave Transistors", Chapter 6 in „Artificial Neural Networks" edited by Seoyun J. Kwon, Science Publishers Inc., 2011, pp. 219-236, ISSN / ISBN 978-1-61761-553-5
paper in a SCI journal	3. Zlatica Marinković, Giovanni Crupi, Dominique Schreurs, Alina Caddemi, **Vera Marković**, "Microwave FinFET modeling based on artificial neural networks including lossy silicon substrate", Microelectronic Engineering, vol. 88, no. 10, Elseiver, 2011, pp. 3158-3163, ISSN / ISBN 0167-9317
paper in a SCI journal	4. Zlatica Marinković, Nenad Ivković, Olivera Pronić-Rančić, **Vera Marković**, Alina Caddemi, "Analysis and Validation of Neural Approach for Extraction of Small-Signal Models of Microwave Transistors," Microelectronics Reliability, Volume 53, Issue 3, March 2013, Pages 414–419, Elseiver, ISSN: 0026-2714, DOI: dx.doi.org/10.1016/j.microrel.2012.09.003
paper in a SCI journal	5. Zlatica Marinković, **Vera Marković**, "Temperature Dependent Models of Low-Noise Microwave Transistors Based on Neural Networks", International Journal for RF and Microwave Computer-Aided Engineering, John Wiley & Sons, 2005, 15(6):567-577.
paper in a SCI journal	6. **Vera Marković**, Sheila Prasad, Aleksandar Stošić, "Noise Modeling of HBTs Using Neural Network Approach", Microwave and Opt. Technology Letters, J.Wiley&Sons,2007;49(4):852-854,ISSN 0895-2477
paper in a SCI journal	7. Zlatica Marinković, Olivera Pronić-Rančić, **Vera Marković**, "Small-Signal and Noise Modelling of Class of HEMTs Using Knowledge-Based Artificial Neural Networks," International Journal for RF and Microwave Computer-Aided Engineering, vol. 23, no.1, 2013, pp. 34-39, J.Wiley&Sons, ISSN: 1096-4290, http://onlinelibrary.wiley.com/doi/10.1002/mmce.20631/abstract, DOI: 10.1002/mmce.20631
paper in a SCI journal	8. Marija Agatonović, Zlatica Marinković, **Vera Marković**, "Application of ANNs in Evaluation of Microwave Pyramidal Absorber Performance," Applied Computational Electromagnetics Society Journal, vol. 27, no. 4, April 2012, pp. 326-333, Applied Computational Electromagnetics Society, Inc., ISSN: 1054-4887
paper in a SCI journal	9. Zlatica Marinković, Giovanni Crupi, Dominique Schreurs, Alina Caddemi, **Vera Marković**, "Multi-Bias Neural Modeling of FinFET Admittance Parameters," Microwave and Opt. Technology Letters, vol. 54, no. 9, September 2012, pp. 2082-2088, J.Wiley&Sons, ISSN: 0895-2477, DOI: 10.1002/mop.27020
paper in a SCI journal	10. Olivera Pronic-Rancic, Zlatica Marinkovic, **Vera Markovic**, "Bias dependant noise wave modelling procedure of microwave FETs," Journal of Electrical Engineering, vol. 63, no. 2, March - April 2012, pp. 119–123 ISSN 1335-3632, DOI: 10.2478/v10187-012-0018-6