

# Curriculum Vitae

**Branislav Petrovic**

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## A. PERSONAL DATA

*Birth date and Place:* November 14, 1956, Nis, Serbia and Montenegro

*Home Address:* Vizantijski bulevar 140/7, 18000 Nis, Serbia and Montenegro

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## B. EDUCATIONAL HISTORY

July 1980 University of Nis, Faculty of Electronic Engineering  
Nis, Serbia and Montenegro  
**Dipl. Ing.** in Computer Science (5 years degree)

December 1988 University of Nis, Faculty of Electronic Engineering  
Nis, Serbia and Montenegro  
**M.Sc.** in Computer Science,  
*Thesis:* "Using the PLL in Digital Tuning and FM Detection in Radio Receivers"

December 1994 University of Nis, Faculty of Electronic Engineering  
Nis, Serbia and Montenegro  
**Ph.D.** in Computer Science,  
*Dissertation:* "Automatic Setup and Calibration in Embedded Systems"

## C. PROFESSIONAL POSITIONS

1981 - 1982 EI Nis, Serbia and Montenegro  
*Position:* **Engineer for Measurement Equipment.**

1982 - 1986 University of Nis, Faculty of Electronic Engineering, Nis, Serbia and Montenegro  
*Position:* **Electronical Equipment Engineer.** *Department of Electronics.*

1986 - 1988 University of Nis, Faculty of Electronic Engineering, Nis, Serbia and Montenegro

- Position: Junior Teaching Assistant. Department of Electronics.*
- Duties:* Lectured and counseled students in two separate courses: “Television”, and “Electronic Devices Design”.
- 1988 – 1995 University of Nis, Faculty of Electronic Engineering, Nis, Serbia and Montenegro
- Position: Teaching Assistant. Department of Electronics.*
- Duties:* Lectured and counseled students in three separate courses: “Microprocessors and Microcomputers”, “Conversion Technique” and “Data Acquisition Systems”. Composed exams and term paper assignments, grade all written work.
- Research:* Embedded systems, microprocessor and microcomputer systems, consumer electronic
- 1995 – 2000 University of Nis, Faculty of Electronic Engineering, Nis, Serbia and Montenegro
- Position: Assistant Professor. Department of Electronics*
- Duties:* Taught two separate courses: “Conversion Technique” and “Data Acquisition Systems” and lectured in course “Digital Electronic”. Formulated course structure and requirements, lectured and administrated all grades.
- Research:* Distributed systems and algorithms, embedded systems, microprocessor and microcomputer systems, data acquisition systems, real time systems
- 2004 - Present University of Nis, Faculty of Electronic Engineering, Nis, Serbia and Montenegro
- Position: Associate Professor. Department of Electronics*
- Duties:* Teach two separate courses: “Data Acquisition Systems” and “Real Time Systems” and lectured in course “Digital Electronic”. Formulated course structure and requirements, lectured and administrated all grades.
- Research:* Distributed systems and algorithms, embedded systems, microprocessor and microcomputer systems, data acquisition systems, real time systems, wireless sensor networks.

#### **D. PARTICIPATION IN RESEARCH PROJECTS**

- 1983 – 1985 *Project name:* Development of modern digital radio receivers  
*Financial support:* OZN of Region Nis
- 1986 – 1988 *Project name:* Research and development of modern digital radio receivers  
*Financial support:* OZN of Region Nis

- 1991 - 1994    *Project name:* Parallel and distributed systems for data acquisition  
*Financial support:* Serbian Ministry of Science and Technology
- 1991 - 1994    *Project name:* Satellite and cable television and high definition television  
*Financial support:* Serbian Ministry of Science and Technology
- 1994 -1996    *Project name:* Satellite and cable television and high definition television  
*Financial support:* Serbian Ministry of Science and Technology
- 1994 - 1997    *Project name:* Parallel computer systems in processing industry  
*Financial support:* Serbian Ministry of Science and Technology
- 1995 - 1997    *Project name:* Parallel reconphigurable computer systems  
*Financial support:* Serbian Ministry of Science and Technology
- 2002 - 2004    *Project name:* Ultrasonic Flowmeter for liquid measurement  
*Financial support:* Serbian Ministry of Science and Technology

## E. REFERENCES (1999 - 2004)

### Journal Papers

- [1]    **B. Petroviic**, M. Stojcev, "Phase Measurement System Based on Embedded Microcomputer", *Proceedings of a Workshop on Computational Intelligence and Informational Technologies*, Nis, 20-21 June, 2001, pp. 97-102.
- [2]    **B. D. Petrovic**, M. K. Stojcev, "Phase Measurement System based on Embedded Microcomputer", *Facta Universitatis, series Mechanical Engineering*, University of Niš, Vol.1, No.10, 2003., pp. 1355-1368.

### Conference Papers

- [1]    Dragisa Krstic, Branislav Petrovic, "Sistem za praćenje lokacije vozova", *Zbornik radova JUZEL '99*, Oktobar 1999, pp. 157-159.
- [2]    Branislav Petrovic, "Konceptija sistema za kontrolu ispravnosti kocnica na motornim vozilima", *Kongres metrologa Jugoslavije*, 2003.
- [3]    **B. Petrovic**, "The Loran C Receiver for Windfinding Program", *Proceedings of Papers Telsiks 2001*, 19-21 September 2001, Nis, pp. 731-733.
- [4]    G. S. Jovanovic, M. K. Stojcev, G. Lj. Djordjevic, **B. D. Petrovic**, "High Resolution Time-to-Digital Converter Utilizing Dual-Slope Principle", *6<sup>th</sup> International Conference on Telecommunications in Modern Satellite, TELSIS 2003*, Niš, Serbia and Montenegro, October 1-3, 2003, pp. 139-142.
- [5]    **Branislav D. Petrovic**, "TV Link Receiver Unit Realization", *6<sup>th</sup> International Conference on Telecommunications in Modern Satellite, TELSIS 2003*, Niš, Serbia and Montenegro, October 1-3, 2003, pp. 671-674