

CURRICULUM VITAE

Family name: MUJČIĆ
First name: Aljo
Date of birth: March 20th, 1969
Place of birth: G. Dubrave, Bosnia and Herzegovina
Nationality: Bosnia and Herzegovina,
Slovenia (EU).



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Bosnia and Herzegovina

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Current position: Full professor at The Faculty of Electrical Engineering,
University of Tuzla

Visiting professor at Karadeniz Technical University,
Trabzon, Turkey

Education:

Ph.D. 2004 Faculty of Electrical Engineering, University of
Ljubljana, Slovenia
Dissertation: “*Channel Coding in High Voltage Power
Line Carrier Communications*”

M.Sc. 1999 Faculty of Electrical Engineering, University of Tuzla,
Bosnia and Herzegovina
Master thesis: “*Power spectrum density estimation*”

Bachelor degree 1992 Faculty of electrical engineering, University of
Belgrade, Serbia, Department of electronics and
communications

Professional experience:

1993-2001 Teaching assistant at Faculty of Electrical Engineering
of University of Tuzla, Bosnia and Herzegovina

2001-2004 PhD student and visiting researcher at the Digital signal
processing laboratory at Faculty of Electrical
Engineering, University of Ljubljana, Slovenia

2004 -2010 Assistant professor at Department of Communications,
Faculty of Electrical Engineering of University of
Tuzla, Bosnia and Herzegovina

2010 - 2016 Associate professor at Department of Communications,
Faculty of electrical engineering of University of Tuzla,
Bosnia and Herzegovina.

2016 - Full professor at Department of Communications,
Faculty of electrical engineering of University of Tuzla,
Bosnia and Herzegovina.

Language skills:	Reading	Speaking	Writing
English	B2	B1	B1
Slovenian	B2	B1	B1

Research experience:

Research interests:

- Optical communication systems modeling, simulation and design,
- Communication technologies for smart grids, power-line communications,
- Channel coding and signal processing,
- Electronic design.

Works in progress:

- Telemedicine
- Fiber to the home systems simulation and testing.
- Compact modelling of electronic systems
- Telemedicine smart systems

Publications:

17 journal papers and 64 conference papers

Teaching experience:

*Faculty of Electrical Engineering,
University of Tuzla*

Undergraduate courses:

- Basic of electronics
- Analog integrated electronics
- Optical telecommunications
- Information theory and coding
- Modeling and Simulations of Communication Systems
- Computer Networks

Graduate courses:

- Data compression and channel coding
- Contemporary Communication Systems

*Karadeniz Technical University,
Trabzon, Turkey*

Graduate course (Financed by TUBITAK 2221 program):

Information and Communication Technologies for Smart Power Grids

*Faculty of Industrial Engineering,
Novo mesto, Slovenia*

Undergraduate courses:

- Mechatronics
- Methodology of project work
- Sensor Networks

Books:

Textbook in Bosnian

Aljo Mujčić, Nermin Suljanović, Amer Hasanović, **Information Theory and Coding**, Publishing Hamidović, 2010, (ISBN 978-9958-9224-6-6)

Textbook in Bosnian

Nermin Suljanović, Aljo Mujčić, Amer Hasanović,

- Textbook in Bosnian* **Signals and Systems**, Publishing Hamidović, 2010, (ISBN 978-9958-9224-7-3)
- Textbook in Bosnian* Aljo Mujčić, Edin Mujčić, Nermin Suljanović, **Osnovi elektronike**, Publishing Hamidović, 2015, (ISBN 978-9958-833-04-5)
- Textbook in Bosnian* Nermin Suljanović , Asmir Gogić, Aljo Mujčić, **Statistička teorija telekomunikacija**, Publishing Hamidović, 2015, (ISBN 978-9958-833-05-2)
- Textbook in Bosnian* Aljo Mujčić, Nermin Suljanović , Matej Zajc, **Sklopovi sa linearnim integrisanim kolima**, Publishing Hamidović, 2015, (ISBN 978-9958-833-03-8)

Invited lectures: “**The Role of Power Line Communications in Smart Grids**” at Buskerud and Vestfold University College in Kongsberg on November 25 of 2014.

“**Seminar on Basic Principles of Computer Networks**” at Buskerud and Vestfold University College Kongsberg on November 24 of 2015.

Master thesis supervisor: 9 students completed, 7 students in progress

PhD thesis supervisor: 1 student completed, 2 in progress

Aljo Mujčić was born in Gornje Dubrave, Bosnia and Herzegovina, 1969. He earned his Ph.D. degree in Electrical Engineering from the University of Ljubljana, Slovenia, in 2004. He is currently full professor at the Department of Telecommunications, Faculty of Electrical Engineering, University of Tuzla.

Prof. Mujčić published five textbooks and more than 80 journal and conference research papers. He participated in more than 10 research projects. He was involved in developing graduate and undergraduate courses in the areas of electronics and telecommunications. His research is focused on signal processing, optical access networks, telemedicine smart systems and modelling of nonlinear components. He is a member of the IEEE, BHAAAS, DMBuBiH.