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EDUCATION

1996-2000: **Ph.D. (in Civ. Eng.)**, Swiss Federal Institute of Technology, Lausanne (EPFL)

1989-1996: **B.Sc. in Theoretical Mathematics**, University of Belgrade, Faculty of Mathematics

1989-1994: **B.C.E. in Civil Engineering**, University of Belgrade, Faculty of Civil Engineering

EMPLOYMENT HISTORY

2015-present: **Associate Professor**, Princeton University, Dept. of Civil and Environmental Eng.

2009-2015: **Assistant Professor**, Princeton University, Dept. of Civil and Environmental Eng.

2000-2008: **Solutions & Services Manager / R&D Manager**, SMARTEC SA, Switzerland

1996-2000: **Ph.D. Student, Teaching Assistant, Project Manager**, EPFL, Switzerland

1994-1996: **Teaching Assistant**, University of Belgrade, Faculty of Civil Engineering

RESEARCH TOPICS

- Structural Health Monitoring (**SHM**): SHM methods for civil structures and infrastructure
- SHM data analysis & management: **damage detection** and system identification; documentation, integration and visualization using Virtual Tours, Information Modelling, and Augmented Reality (**VT/IM/AR**)
- Advanced SHM technologies: long-gauge and distributed fiber optic sensors (**FOS**), 2-D sensing sheets based on large area electronics (**LAE**), sensors based on conductive polymers
- SHM benefits: value of information (**VOI**) and decision making theory
- Smart structures and structural analysis: deployable and adaptable structures
- Heritage structures: holistic analysis of heritage structures and structural art

TEACHING SUBJECTS

CEE312 Statics of Structures

CEE439/539 Structural Health Monitoring

CEE463 A Social and Multi-Dimensional

Exploration of Structures

CEE521 Continuum Mechanics

CEE 538 Holistic Analysis of Heritage Structures

EGR102 Engineering in the Modern World (precept)

EGR194 An Introduction to Engineering (one lesson)

ELE547C Selected Topics in Solid-State

Electronics: Large Area Electronics (one lesson)

Short Courses on SHM using Fiber Optic Sensors

TEACHING SKILLS

Courses followed and exams passed in Pedagogy, Psychology, and Methods of Education

LANGUAGES

Serbian (Croatian, Bosnian, and Montenegrin)

English, French, Italian, Macedonian

Mother tongue

Fluent

OTHER AFFILIATIONS

- DUT** **Visiting Professor (three-year term)**, Dalian University of Technology, China, 2018-2021
- CAIT** **Affiliated Faculty**, Center for Advanced Infrastructure and Transportation, Rutgers University, 2009-present
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PROFESSIONAL MEMBERSHIPS AND DUTIES

- ISHMII** **(L)Vice-President for Education, Council Member**, International Society for SHM of Intelligent Infrastructure
- ACI** **(L)Voting Member**, Committee 444: SHM and Instrumentation, American Concrete Institute
- TRB** **(L)Inaugural Committee Member**, Bridge Preservation Committee (AHD37), Transportation Research Board of the National Academies
- IRD/ASCE** **(L)Member**, Emerging Technologies Committee, Infrastructure Resilience Division of American Society of Civil Engineers
- EMI/ASCE** **Member**, Structural Health Monitoring and Control Committee, Engineering Mechanics Institute of American Society of Civil Engineers
- IEC** **Member, Technical Advisory Group** for International Standards Developments, IEC SC86C: *Fibre Optics Systems & Active Devices*, International Electrotechnical Commission
- ASTM International:** **(L)Member of Committee F36, Task Group F36.10** for standardization of *Distributed Optical Fiber Sensing Systems (DOFSS)*(2013-2016)
- SEI/ASCE** **Member**, Structural Engineering Institute of American Society of Civil Engineers
- IABSE** **Member**, International Association of Bridge and Structural Engineers;
- IABMAS** **Member**, International Association for Bridge Maintenance and Safety

(L) = Leadership Role

HONORS AND AWARDS

OVERALL ACADEMIC ACHIEVEMENTS (RESEARCH AND TEACHING)

- 2014:** E. Lawrence Keyes, Jr. / Emerson Electric Co. Faculty Advancement Award ('Junior faculty advancement award'), "recognizing excellent in teaching and scholarship", by the School of Engineering and Applied Science, Princeton University

RESEARCH HONORS AND AWARDS

- 2018:** **ISHMII Fellow**, "...highest class of membership... achieved a position of high responsibility and have contributed significantly to the advancement of the field through research or practice or both.", by International Society for Structural Health Monitoring of Intelligent Infrastructure
- 2016:** Research on sensing sheets is referred to in the October issue of **The Economist**
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