

ASIF ŠABANOVIĆ

Curriculum Vitae

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Date of Birth: 30 August 1946

Citizenship: Bosnia and Herzegovina

Current academic titles: **Full professor at Sabanci University, Mechatronics Program**
Full professor at University of Sarajevo, Faculty of EE

Areas of Specialization: Mechatronic, Robotics, Motion Control, Control Systems, Control Drives, Power Electronics,

EDUCATION

1975 -1979 Ph.D. Electronics and Automatic Control , University of Sarajevo, Bosnia and Herzegovina
1973 -1975 M.S. Electronics and Automatic Control , University of Sarajevo, Bosnia and Herzegovina
1965 -1970 B.S. Electronics and Automatic Control , University of Sarajevo, Bosnia and Herzegovina

ACADEMIC POSITIONS

1999-Present SABANCI UNIVERSITY Faculty of Engineering and Natural Science, Mechatronics Program, **Full Professor**
1985- 2011 UNIVERSITY OF SARAJEVO, Department of Electrical Engineering (1996-2011) – adjunct professor, **Full Professor**
2008-2009 KEIO UNIVERSITY, Faculty of Science and Technology
Research Fellow in GCOE Program, on Sabbatical leave from Sabanci University
1995-1999 ISTANBUL TECHNICAL UNIVERSITY, Electrical Engineering Department, (Part time), **Full Professor**
1994-1995 KOCAELI UNIVERSITY, Electrical Engineering Department, (Part time), **Full Professor**
1992-1993 YAMAGUCHI UNIVERSITY Faculty of Engineering, **Full Professor**
1991-1992 KEIO UNIVERSITY, Faculty of Science and Technology
Hitachi Chair Professor
1987 UNIVERSITY OF TOKYO, Institute of Industrial Science
Research Fellow
1983-1985 CALIFORNIA INSTITUTE OF TECHNOLOGY –CalTech, Department of Electrical Engineering
Visiting Professor
1974 USSR-ACADEMY OF SCIENCE, Institute of Control Sciences (IAT).
Visiting Researcher

NON-ACADEMIC POSITIONS

1994-1999 Scientific Adviser in CAD/CAM Robotics Department, TUBITAK
1995-1999 Head of Engineering Division, B.H. Engineering and Consulting Co
1993-1994 Head of CAD/CAM Robotics Department, TUBITAK, MAM
1989-1991 Scientific Advisor, ENERGOINVEST – The Institute for Control and Computer Science

1975-1983 Chief engineer, ENERGOINVEST – The Institute for Control and Computer Science

RESEARCH EXPERIENCE

1999-present SABANCI UNIVERSITY, Establishment of the undergraduate and graduate education program and R&D activities in Mechatronics
1995-2000 ISTANBUL TECHNICAL UNIVERSITY, R&D in Control Systems, Robotics and Power Converters Control Systems
1993-2000 TUBITAK, Establishment of R&D activities in Power Electronics and Development of the 6 d.o.f. robotic system
1992-1993 YAMAGUCHI UNIVERSITY, Establishment of Industrial Control Systems Lab in cooperation with Prof. K. Wada.
1991-1992 and KEIO UNIVERSITY, Research in Control of Robotic Systems and Power
2008-2009 Converters in Prof. Ohnishi Lab
1983-1985 CALIFORNIA INSTITUTE OF TECHNOLOGY, CalTech, Research in Power Electronics in Prof. Middlebrook and Prof Cuk Laboratory

TEACHING EXPERIENCE

1999- Present SABANCI UNIVERSITY
Courses: Power Electronics, Motion Control Systems , Electrical Drives, Introduction to Modeling and Control , Control System Design, Nonlinear Control, Sliding Mode Control, Advanced Motion Control , Mechatronics Design
2008 -2009 KEIO UNIVERSITY
Courses: Advances in in Motion Control
1995-1999 ISTANBUL TECHNICAL UNIVERSITY
Courses: Control of Power Converters and Electrical Drives, Motion Control Systems
1993-1994 KOCAELI UNIVERSITY
Courses: Control of Power Converters and Electrical Machines
1992-1993 YAMAGUCHI UNIVERSITY
Courses: Motion Control Systems , Control of Robotic Manipulators
1991-1992 KEIO UNIVERSITY
Variable Structure Systems in Motion Control
1983-1985 CALIFORNIA INSTITUTE OF TECHNOLOGY
Courses: Variable Structure Systems Application in Power Electronics
1971-1991 UNIVERSITY OF SARAJEVO
Courses: Theory of Electrical Circuits, Analog and Hybrid Computers , Power Electronics, Control of Electrical Drives, Energy Conversion Systems , Robotic Control Systems
1996-2011 UNIVERSITY OF SARAJEVO
Courses: Robotics (adjunct professor)

THESIS ADVISOR 9 PhD and 29 MSc

AWARDS

1991 Silver Award of the University of Sarajevo for Professional Achievements
1985 Outstanding Paper Award, from IEEE Industrial Electronics Society
1980 The State Award “**July the 27th**”, for the contribution in the Power Electronics development, Sarajevo, (the highest award of the Republic Bosnia and Herzegovina)

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1986 - present IEEE - The Institute of Electrical and Electronics Engineers