

Prof. Miha Boltežar

Affiliation

1982-
University of Ljubljana, Faculty of Mechanical Engineering
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Biographical data

1958 Born in Ljubljana
1980 Uni Diploma in Mechanical Engineering, University of Ljubljana
1982 Teaching assistant at Faculty of Mechanical Engineering
1989 MSc, Uni Ljubljana
1992- 93, one year visiting researcher at ISVR, University of Southampton
1995 PhD awarded from University of Ljubljana, Professor Anton Kuhelj jr. supervisor,
Professor Joe.K.Hammond co-supervisor
1998 Assist. Professor at Faculty of Mechanical Engineering, Uni Ljubljana
1999 Head of the Laboratory for dynamics of machines and structures
1999 Head of the research group Laboratory for dynamics of machines and structures
2004 Assoc. Professor at Faculty of Mechanical Engineering, Uni Ljubljana
2009 Professor of Mechanics at Uni Ljubljana

Areas of Speciality and Interest

Dynamics of machines and structures in general, including vibrational behaviour and noise. Specific topics include:

- non-linear oscillations
- bispectral and wavelet applications in mechanical engineering
- structural dynamics
- rotor dynamics
- fault identification
- dynamics of moving continua
- multi-body dynamics of rigid and flexible bodies
- impact dynamics

Mentor/supervisor

Mentor of 45 Uni diploma projects, 8 PhD projects, 2 MSc projects
Currently supervising 15 PhD students

Publications

51 scientific journal papers, 98 conference papers, 180 citations in WoS.
1 textbook Mechanical Vibrations (in Slovene)

Membership

- Institute of Acoustics (UK), member,
- Slovene society of acoustics, member
- Slovene society of mechanics, president 2007-2009,
- LWAG – Light weight armour group,
- SATENA-Slovenian academic technological society,
- Likar foundation- secretary 1993-2005, president 2005 -.
- IFTOMM TC on Nonlinear Oscillations 1999-
- Editorial board member MSSP-Mechanical Systems and Signal Processing
- IFTOMM TC on Rotordynamics 2010-

International research projects

- Tempus IMG, ISVR, UK, 1992-93
- Bilateral research project SLO-CRO, 1999-2001
- COST P4 Non-stationary and non-linear analysis of cutting dynamics, 2002/03
- Bilateral research project SLO-P, 2003-05
- ESEP RS – European Science Exchange Program, Royal Society, Uni Aberdeen, UK, 2004-06
- Marie Curie EST, SIMVIA2, 2006-10
- Mira Rhone-Alps, with INSA Lyon, 2007-09
- Gresimo, FP7, Marie Curie ITN project, 2011-2015

Applied research projects

Strong connections to big Slovene industries, most of them are Tier 1 automotive suppliers, exchanging people, knowledge, equipment.