

CURRICULUM VITAE

Education and academic/scientific degrees:

- 11.12.2013 Slovak University of Technology in Bratislava (Slovak Republic)
Degree: Advanced (higher) doctorate in Process Control – **DrSc.**
- 26.11.2013 Slovak University of Technology in Bratislava (Slovak Republic)
Degree: Full Professor in Automation – **prof.**
- 01.07.2004 Technical University of Košice (Slovak Republic), Faculty of BERG,
Degree: Associate Professor (docent) – **doc.**
Thesis: Fractional – Order Controllers
- 10/1997 – 03/2000 Technical University of Košice (Slovak Republic), Faculty of BERG,
Department of Applied Informatics and Process Control,
Field of study: Process Control, Degree: Philosophiae Doctor – PhD.
Thesis: Fractional Calculus in Control Theory
- 09/1992 – 06/1997 Technical University of Košice (Slovak Republic), Faculty of BERG,
Department of Management and Control Engineering,
Field of study: Process control (raw material extraction and processing),
Branch: Technological management, Degree: Master – Engineer – Ing.

Professional work experiences:

- 08/2019 – present **Vice-Rector for Science, Research and Doctoral Study**
Technical University of Košice (Slovak Republic).
- 02/2019 – 07/2019 **Vice-Dean for Science and Research and Education in Third level of University Education (Designated),**
Technical University of Košice (Slovak Republic), Faculty of BERG.
- 02/2014 – present **Full Professor, Institute Director,**
Technical University of Košice (Slovak Republic), Faculty of BERG,
Institute of Control and Informatization of Production Processes,
Head of laboratory of industrial control systems.
- 10/2007 – 01/2014 **Associate Professor, Institute Director,**
Technical University of Košice (Slovak Republic), Faculty of BERG,
Institute of Control and Informatization of Production Processes,
Head of laboratory of industrial control systems.
- 02/2005 – 09/2007 **Associate Professor,**
Technical University of Košice (Slovak Republic), Faculty of BERG,
Head of laboratory of industrial control systems.
- 02/2004 – 01/2005 **Assistant Professor,**
Technical University of Košice (Slovak Republic), Faculty of BERG,
Head of laboratory of industrial control systems.
- 06/2002 – 07/2003 **Programmer,** Steve's Electronic Services, Abbotsford, B.C. (Canada),
Duties and responsibilities: web site design and programming,
PIC microcontrollers devices programming (PIC BASIC).
- 04/2000 – 05/2002 **Assistant Professor,**
Technical University of Košice (Slovak Republic), Faculty of BERG,
Department of Applied Informatics and Process Control.

Professional interests:

- Scientific research in:
 - Control systems (process and optimal/robust control, stabilization, industrial automation),
 - Applied mathematics (fractional calculus, numerical methods, modeling, chaos theory),
 - Electronic/electrical systems (special circuits, devices, elements, microcontrollers, PLCs).
- Solving granted projects:
 - Grants from Slovak Grant Agency for Science: 3 projects leader, 15 projects solver,
 - Grants from Slovak Research and Development Agency: 3 projects leader, 4 solver,
 - Other scientific-technical and industrial projects: 7 projects,
 - International projects: 7 bilateral projects and 3 scientific research projects, etc.
- Programming languages and other software/hardware/devices abilities:
 - MS DOS, MS Windows 9x/ME/XP/7/8/10, QNX, Unix, Linux, Novell, MacOS,
 - PASCAL, C/C++, BASIC, HTML, XML, CSS, PHP3, JavaScript, Delphi, MySQL,
 - MS Office (Word, Excel, Project, PowerPoint, Outlook, Visio, Front Page), LaTeX/TeX,
 - Matlab + Simulink, Maple, Automation Studio, PIC Basic, Adobe Software, etc.,
 - PLC, PIC, dSPACE, Arduino, Raspberry Pi, AD/DA converters, sensors, actuators, etc.

Professional memberships:

- Institute of Electrical and Electronics Engineers (IEEE) – USA – *senior member*: (since 2008),
- Slovak Society for Applied Cybernetics and Informatics (SSAKI) – Slovakia – *member*: (since 1997),
- International Federation of Automatic Control (IFAC), TC 2.2 – USA – *member*: (since 2012),
- *Reviewer* for international conferences (IFAC, ASME, IEEE, ACC, ECC, etc.) and many journals.

Awards (selected):

- Prize of the Literary Fund of the Slovak Republic for the for the three-year citation impact (2014 – 2016) – 1st place in 2017,
- Silver Medal of The Association of Slovak Scientific and Technological Societies (ZSVTS) – 2016,
- Golden Medal of the Faculty BERG of the Technical University of Kosice (2012),
- Prize of the Literary Fund of the Slovak Republic for the third most frequently cited article (2010),
- Prize of the Literary Fund of the Slovak Republic for the book (2010): Fractional Order Systems: Modelling and Control Applications, World Scientific, (co-authored with R. Caponetto et al.),
- Award of Ministry of Education of Slovak republic for science and research - SOFIA 2005,
- Honor award in competition “Scientist of the year 2003 in Slovak republic”.

Language abilities:

- Slovak (native), English (active), Russian (passive).

Research visits:

- Montanuniversität Leoben, Institute of Automation, Austria (1999, 2000, 2002, 2004, 2005),
- Steves Electronic Services, Abbotsford, BC, Canada (2002 – 2003, 2006, 2016),
- Johns Electronics, Ltd., Chilliwack, BC, Canada (2002 – 2003),
- Warsaw University of Technology, Poland (2010, 2011, 2013, 2017),
- University of Extremadura, Badajoz, Spain (2010),
- Utah State University, Logan, USA (2011),
- ISMANS, Le Mans, France (2011).