



**Prof. Dr. Ing. Miroslav Svítek, dr.h.c., FEng., EUR ING** was born in Rakovník, Czech Republic, in 1969. He graduated in radioelectronic from Czech Technical University in Prague, in 1992. In 1996, he received the Ph.D. degree in radioelectronic at Faculty of Electrical Engineering, Czech Technical University in Prague. Since 2002, he has been associated professor in engineering informatics at Faculty of Transportation Sciences, Czech Technical University in Prague. Since 2005, he has been nominated as the extraordinary professor in applied informatics at Faculty of Natural Sciences, University of Matej Bel in Banská Bystrica, Slovak Republic. Since 2008, he has been full professor in engineering informatics at Faculty of Transportation Sciences, Czech Technical University in Prague. Miroslav Svítek is president of Czech Smart City Cluster ([www.czechsmartcitycluster.cz](http://www.czechsmartcitycluster.cz)), president of Association of transport telematics ([www.sdt.cz](http://www.sdt.cz)), president of National association for electromobility ([www.narodni-spolek.cz](http://www.narodni-spolek.cz)), member of Engineering academy of the Czech Republic ([www.eacr.cz](http://www.eacr.cz)) and Dean Emeritus of Faculty of Transportation Sciences, Czech Technical University in Prague ([www.fd.cvut.cz](http://www.fd.cvut.cz)).

#### Selected monographs:

- Svítek M.: Monitoring parametrov datčikov v multiradarnej seti, Edice monografií NNW č.10, Neural Network World, 121 stran, Praha 2015, ISBN 978-80-01-05789-6 (in Russian).
- Nováková H., Bína L., Svítek M., Novák-Sedláčková A., Ferregut C., Cheu R., Aguirre-Covarrubias S.: Transatlantic Dual Masters Degree Program in Transportation and Logistics Systems ATLANTIS - History and the Three Years of Implementation, LIBRA-IMPORT, 2013, 62 pages, ISBN: 978-80-905432-1-8 (in English).
- Svítek M., Votruba Z., Zelinka T., Jirovský V., Novák M.: Transport Telematics - Systemic View, WSEAS Press, 2013, Ed. Zelinka T., 305 pages, ISBN: 978-1-61804-144-9 (in English).
- Svítek, M.: Quantum System Theory – Principles and Applications, VDMVSG Saarbrücken, 140 pages, 2009, ISBN: 978-3-639-23402-2 (in English).
- Faber J., Novak M., Votruba Z., Svítek M., Kolda T., Sýkora O., Tichý T., Svoboda P., Faber V., Sadil J., Bělinová Z., Fábera V., Leso M.: Neurokybernetic analogies - The results of their clinical applications and proposals for their further mutual simulation, TRITON 2008, ISBN 978-80-7387-194-9 (in English).
- Svítek, M.: Dynamical Systems with Reduced Dimensionality, Edice monografií NNW č.6, Neural Network World, 161 pages, Praha 2006, ISBN 80-903298-6-1 (in English).
- Příbyl P., Svítek M.: Telematika na transporte, BEN, Moskva, 550 pages, 2004, ISBN 80-7300-100-4 (in Russian).

#### Selected impact papers:

- Postranecký M., Svítek M., Carrillo E. Z.: SynopCity Virtual HUB – A testbed for Smart Cities, IEEE Intelligent Transportation Systems Magazine, Vol. 10 Issue 2, 2018, pp. 50-57.
- Svítek M.: Towards complex system theory, Tutorial, In: Neural Network World 2015, vol.25, no.1, pp. 5-33, ISSN 1210-0552.
- Svítek M.: Iterated Non-linear Regression, In: Neural Network World 2014, vol.24, no.4, pp. 411-420, ISSN 1210-0552.
- Svítek M.: Quantum subsystems connections, In: Neural Network World 2013, vol.23, no.4, pp. 287-298, ISSN 1210-0552.

- Svítek M: Wave probabilistic functions for quantum cybernetics, 2012, IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS, PART C-APPLICATIONS AND REVIEWS, Volume: 42, Issue: 2, pp. 233-240, 2012.
- Svítek M.: Applying Wave Probabilistic Functions for Dynamic System Modelling, IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS, PART C-APPLICATIONS AND REVIEWS, Volume: 41, Issue: 5, pp. 674-681, 2011.
- Svítek M.: Wave probabilistic information power, In: Neural Network World 2011, vol.21, no.3, p. 269-276, ISSN 1210-0552.
- Svítek M.: From quantum transfer functions to complex quantum circuits, In: Neural Network World 2011, vol. 21, no. 6, p. 505-517, ISSN 1210-0552.
- Svítek M.: Conditional Combinations of Quantum Systems, In: Neural Network World 2011, vol. 21, no.1, p. 67-73. ISSN 1210-0552.
- Svítek, M., Votruba, Z., Moos, P.: Towards Information Circuits, In: Neural Network World. 2010, vol. 20, no. 2, p. 241-247. ISSN 1210-0552.
- Svítek M.: Quasi-Non-Ergodic Probabilistic Systems and Wave Probabilistic Functions, Neural Network World, 3/2009, pp. 307-320, 2009.

#### International patent:

- International Patent No. 064660111.1: Svítek M., Šindelář L.: On-Board Unit with identification unit to protect frauds

#### EU projects:

- Easy-OBU, ETNITE, VERONICA, ATLANTIC, MISTER, CAPTIVE, CASTLE, eMOTION, eFRAME

#### Awards

- 2015 - Silber medal Department of flight transport, CTU Prague
- 2013 - Medal of Institute of theoretical and experimental physics, CTU Prague
- 2013 - Gold medal of Flight faculty, technical university in Kosice, Slovakia
- 2010 - First grade rector award for best publication in 2009
- 2010 - Silber medal of Matej Bel University, Banska Bystrica, Slovakia
- 2009 - ČNI medal for CEN and ISO co-operation
- 2008 – Gold Felber medal for CTU advancement

#### Scientific Committee:

- University of Zilina, Slovakia
- University of Pardubice
- Czech Institute for informatics, robotics and cybernetics

Hobby: Accordion music: <http://www.youtube.com/watch?v=mDqa9qumMPo>