

Applicant: **Václav Snášel -- Full professor**  
 Date of birth: 2. 8. 1957  
 Family status: married, 3 children  
 Nationality: Czech  
 Contact: [vaclav.snasel@vsb.cz](mailto:vaclav.snasel@vsb.cz), +420 602 747 662



## WORK EXPERIENCE

2017 -	<b>Rector</b> VSB - Technical University of Ostrava, Czech Republic
2010 - 2017	<b>Dean</b> Faculty of Electrical Engineering and Computer Science VSB - Technical University of Ostrava, Czech Republic
2011 - 2017	<b>Head of research programme – IT for knowledge management</b> Centre of Excellence IT4Innovation, Ostrava, Czech Republic
2003 - 2010	<b>Vice-Dean, Research and International Relations</b> Faculty of Electrical Engineering and Computer Science VSB - Technical University of Ostrava, Czech Republic
2001 - 2010	<b>Researcher</b> Institute of Computer Science of Academy of Sciences of the Czech Republic, Prague, Czech Republic
2000 -	<b>Associate Professor, Professor</b> Department of Computer Science, Faculty of Electrical Engineering and Computer Science VSB - Technical University of Ostrava, Czech Republic
1988 - 2000	<b>Assistant Professor</b> , Department of Computer Science, Faculty of Science of Palacký University in Olomouc, Czech Republic
1983 - 1988	<b>Programmer</b> Farmakon Olomouc, Czech Republic

## EDUCATION AND TRAINING

1988-1991	<b>Ph.D. Studies (title CSc.)</b> Faculty of Science of Palacký University in Olomouc (prof. RNDr. Jiří Rachůnek, DrSc.) ( <a href="http://www.prf.upol.cz/en/">http://www.prf.upol.cz/en/</a> ) Thesis -- Lambda lattice, defense at MUNI Brno, Czech Republic
1976-1981	<b>Master studies</b> Faculty of Science of Palacký University in Olomouc, Czech Republic ( <a href="http://www.prf.upol.cz/en/">http://www.prf.upol.cz/en/</a> ) Numerical mathematics

## MEMBERSHIP

- senior member IEEE - Institute of Electrical and Electronics Engineers,
- ACM - Association for Computing Machinery,
- SIAM - Society for Industrial and Applied Mathematics
- AMS – American Mathematical Society

## EXPERIENCE WITH GRANTS:

He was a responsible investigator and cooperating investigator of 15 research projects in the field of basic and applied research with total amount 65 mil Kc.

## RESEARCH INTERESTS

Vaclav Snasel's research and development experience include over 30 years in the Industry and Academia. He works in a multi-disciplinary environment involving artificial intelligence, bioinformatics, information retrieval, knowledge management, data compression, machine intelligence, neural network, nature and biologically inspired computing, data mining, and applied to various real-world problems. Studied numerical mathematics at

Palacky University in Olomouc, Ph.D. degree obtained at Masaryk University in Brno, he teaches as a professor at VSB – Technical University of Ostrava. From 2001 to 2009 he worked as a researcher at The Institute of Computer Science of Academy of Sciences of the Czech Republic. Since 2009 he works as head of research programme Knowledge management at IT4Innovation National Supercomputing Center, from 2010 until 2017 he works as dean of the Faculty of Electrical Engineering and Computer Science.

He has given 16 plenary lectures and conference tutorials in these areas. He has authored/co-authored several refereed journal/conference papers and book chapters. He has published more than 600 papers (430 papers are indexed at Web of Science, 660 indexed at Scopus). He has supervised many Ph.D. students from the Czech Republic, Jordan, Yemen, Slovakia, Ukraine, Russia, India, China, Lybia, and Vietnam. He also supervised postdoc students from the Slovak Republic, Uruguay, and Egypt.

**PUBLICATIONS** Web of Science H-index 14, Citation index 1046, Scopus H-Index 20, Citation index 2631, Google Scholar H-Index 31, Citation index 5432. He served as guest editor of Neurocomputing Elsevier; Applied Logics Elsevier; and IGPL Journal Oxford University Press.

My ResearcherID: B-8094-2009 and ORCID: <http://orcid.org/0000-0002-9600-8319>.

Selected special issues:

- Álvaro Herrero, Václav Snásel, Ajith Abraham, Ivan Zelinka, Héctor Quintián, Emilio Corchado: Editorial: Special issue CISIS12-IGPL. Logic Journal of the IGPL Oxford, 23(1): 1-3 (2015)
- Héctor Quintián, Emilio Corchado, Ajith Abraham, André C. P. L. F. de Carvalho, Michal Wozniak, Václav Snásel, Sung-Bae Cho: Special issue HAIS 2012: Recent advancements in hybrid artificial intelligence systems and its application to real-world problems. Neurocomputing 163: 1-2 (2015)
- Emilio Corchado, Ajith Abraham, Václav Snásel, Pablo Garcia Bringas, Ivan Zelinka, Héctor Quintián: Combined special issue SOCO 2012-2013: Recent advancements in soft computing and its application in industrial and environmental problems. Neurocomputing 167: 1-2 (2015)
- Álvaro Herrero, Václav Snásel, Ajith Abraham, Ivan Zelinka, Bruno Baruque, Héctor Quintián, José Luís Calvo-Rolle, Javier Sedano, André C. P. L. F. de Carvalho, Emilio Corchado: Special issue SOCO12. J. Applied Logic 13(2): 91-93 (2015)
- Ivan Zelinka, Jouni Lampinen, Václav Snásel, Roman Senkerik: Recent Advances in swarm and evolutionary computation-foreword. Swarm and Evolutionary Computation 25: 1 (2015)

He serves as General Chair of more than 45 conferences which have proceeding in LNCS and other Springer Series and IEEE XPLore.

The number of articles published in journals processed for the Web of Science (WoS) is 86.

The number of articles published in journals processed for the Web of Science in last five (2014-2018) years (WoS) is 39.

He is co-editor of 40 books in Springer.

He is founder successful conference series Euro-China conference (Shen Zhen 2014, Ostrava 2015, Fujian 2016) and Afro-Euro Conference (Addis Ababa 2014, Paris 2015, Marrakesh 2016).

### **SELECTED PUBLICATIONS (from last three years)**

T Vantuch, S Misak, T Jezovicz, T Burianek, V Snášel (Q1)

The Power Quality Forecasting Model for Off-Grid System Supported by Multi-objective Optimization  
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 2017, IF 7.168

V Ojha, V Snasel, A Abraham (Q1)

Multiobjective Programming for Type-2 Hierarchical Fuzzy Inference Trees  
IEEE Transactions on Fuzzy Systems, 2017, IF 7.671

Bao Huynh; Bay Vo; Vaclav Snasel (Q1)

An Efficient Parallel Method for Mining Frequent Closed Sequential Patterns  
IEEE Access, 2017, IF 3.244

VK Ojha, A Abraham, V Snášel (Q1)

Metaheuristic design of feedforward neural networks: A review of two decades of research  
Engineering Applications of Artificial Intelligence 60, 97-116, 2017, IF 2.894

TL Nguyen, B Vo, V Snasel (Q1)

Efficient algorithms for mining colossal patterns in high dimensional databases  
Knowledge-Based Systems 122, 75-89, 2017, IF 4.529

V Snášel, J Nowaková, F Khafa, L Barolli (Q1)

Geometrical and topological approaches to Big Data  
Future Generation Computer Systems 67, 286-296, 2017, IF 3.997