



Dr. Pavel Loskot joined the ZJU-UIUC Institute in Haining, China, in January 2021 as an Associate Professor in Mathematical and Computational Engineering. He holds the PhD degree in Wireless Communications from the University of Alberta in Canada, and the MSc and the BSc degrees in Radioelectronics and Biomedical Electronics, respectively, from the Czech Technical University of Prague in the Czech Republic. He is a Senior Member of the IEEE, Member of the Signal Processing and Life Sciences Societies, Fellow of the Higher Education Academy in the UK, and the Recognized Research Supervisor of the UK Council for Graduate Education. He received 3 best paper awards, delivered over 40 tutorials and keynote speeches, and was a member of the Organizing Committee, and a Chair or Co-Chair in nearly 20 international conferences.

In the past 25 years, he participated in and led numerous industrial and academic collaborative projects with large and small institutions in the Czech Republic, Finland, Canada, UK, Turkey, and China. He held several consultancy contracts with the SMEs as well as large companies. In 2014/2015, he was a visiting researcher in the Computational Science Research Center of the Chinese Academy of Engineering Physics in Beijing, China. In 2010-2012, he was the Digital Economy Adviser for the Welsh Government, and a Swansea University representative in the Mobile Virtual Centre of Excellence in Mobile Communications in the UK. From 1999 to 2001, he was the Research Scientist in the Centre for Wireless Communications in Oulu, Finland where he received the Nokia Research Award for his innovative work on adaptive transmission systems. He contributed to the standardization efforts of the 2G, 3G and 4G mobile cellular networks and the early versions of WiFi and Bluetooth. In the past 10 years, he diversified his research interests and became involved in research projects concerning tactical mobile networks, computational molecular biology, air transport management, and renewable energy systems. This experience allowed him to truly understand the principles of interdisciplinary workings, and crossing the disciplines boundaries. His current research focuses on statistical signal processing, classical machine learning, and importing methods from telecommunication engineering, computer science and applied mathematics to tackle various computational problems in science and engineering with the aim to improve the information power of system modeling and analysis.

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