

Csaba I. Fábián, DSc, professor

Education, work history, positions, leadership experience: MSc (mathematics), Eötvös Loránd University, 1982. PhD, Eötvös Loránd University, 1999. Habilitation (mathematics and computer science), Óbuda University, 2020. DSc (doctor of the Hungarian Academy of Sciences), 2021.

Started career with assignments in different areas of information technology, eventually in system design and IT management. 1992-2012, lecturer at the Dept. of Operations Research, Eötvös Loránd University.

College professor, 2008-2021, and university professor since 2021, at the Dept. of Informatics, GAMF Faculty of Engineering and Computer Science, John von Neumann University. Chair of the Applied Informatics Research Lab since 2010.

Scientific activities, awards: Elected member of the Committee on Operational Research, a scientific committee of the Section of Mathematics of the Hungarian Academy of Sciences. Secretary in 2011-2017, vice chair since 2021. Vice president of the Hungarian OR Society, 2011-2014.

Elected member of the governing board of *Stochastic Programming Society*, 2010-2016. Played an active role in the creation of the *EURO Working Group on Stochastic Optimization*; served as chair in 2013-2016, coordinator in 2016-2025.

Member of the editorial board of the *Annals of Operations Research* since 2019. Section editor of *Gradus*, scientific journal of John von Neumann University, 2015-2025.

Reviewer / opponent for academic qualifications: in 2 DSc procedures, in 4 habilitation procedures (at the University of Pannonia, Széchenyi István University, and Charles University of Prague), and in 10 PhD procedures. External reviewer for 3 professorial assignments, at the Research Council for Natural Sciences and Engineering, Finnish Academy.

Awards: Diploma of the Board of Trustees, Bolyai János Research Scholarship, Hungarian Academy of Sciences, 2002. 'For the GAMF Faculty' diploma, 2015; plaque, 2018. Award for contribution to the advance of Higher Education in Kecskemét, and to the advance of Science in its Public Life, 2021. Lecturer of the Year 2022, John von Neumann University. Springer Nature Editor of Distinction Award 2025.

Educational activities: Responsible for several courses in the Computer Science Engineering BSc curriculum at John von Neumann University. In the Doctoral School of Management and Business Administration, responsible for the courses 'Research and decision methodology – quantitative methods' and 'Resource planning: models and case studies'.

Regularly gave doctoral courses at Eötvös Loránd University and the University of Pannonia, and on several occasions at Brunel University (London) and the Norwegian University of Science and Technology (NTNU). Regularly gives a MSc course at the Budapest University of Technology and Economics.

Co-advisor to 2 successfully defended PhD theses (at Paderborn University and the University of Pannonia.) Collaborated with several doctoral students and their advisors, contributing to their successful qualifications.

Research activities: Stochastic programming and applications, i.e., decision support in the presence of uncertainty. Methods developed with his collaboration have been used in the solution of real-life planning problems. Some of these methods have had notable roles in research projects.

In 2007-2010, worked in risk analysis and optimization, in collaboration with a team at Brunel University, London. In this research he also engaged his colleagues at Kecskemét. The methods developed in the course of this collaboration have been included in the optimization and analytics tools of OptiRisk Systems, a consulting and informatics company utilizing the results of research done at Brunel University.

In 2012-2015, developed special approximation and regularization methods in collaboration with a team at Paderborn University. These methods were integrated into a solver system developed at Paderborn University, and have been used to optimize strategic gas purchases of a utility company.

At John von Neumann University, they develop and implement methods for the solution of probabilistic problems, with a view to applications in the design of smart electric grids and in urban traffic control. They collaborate with the Data Analytics and Optimization Research Group of the Budapest University of Technology and Economics, and with colleagues at the European University Viadrina (Frankfurt/Oder).

Took part in several R&D projects at John von Neumann University, as researcher or as leader of sub-projects.

Science organizing activities, language skills: Chair of the Scientific Council of John von Neumann University, 2020-2025. Member of the Doctoral and Habilitation Council of the University. External member of the Council of the Doctoral School of Information Science and Technology at the University of Pannonia.

Played an active role in launching the series of *European Conferences on Stochastic Optimization*. The first event was organized in 2014 (in Paris, as a mini-conference), the latest one in 2024 (in Stockholm, <https://ecso-cms2024.blogs.dsv.su.se/>). Been on the program committees for about twenty international scientific conferences, organizing invited sessions and streams.

Chair of the organizing committee of the TEAM 2010 conference, organized at Kecskemét, as part of the conference series of the TEAM Society (<https://teamsociety.org>).

Publications and their impact: Web of Science: <https://www.webofscience.com/wos/author/record/J-5903-2017>