Damjan Škulj

Damjan Škulj was born at 11 March 1975 in Novo Mesto, Slovenia. He studied theoretical mathematics at the Faculty of Mathematics and Physics of the University of Ljubljana and graduated in 1998. At the same faculty, he also finished his Master degree in 2001 and obtained his PhD in 2004. In 1999 he attended the Essex Summer School in Social Science Data Analysis at University of Essex, UK.

He worked as a teaching assistant at the Faculty of Social Sciences of the University of Ljubljana (FDV, UL) between 1998 and 2006 and as an assistant professor at the same institution between 2006 and 2016. In 2016 he was promoted to the degree of associate professor. He taught courses on *Mathematics, Statistics, and Operational research*. He also was a teaching assistant for the *Maths refresher course* at the ECPR Summer School in Methods & Techniques in 2007, at the University of Ljubljana, and a teacher for *The most essential topics in Probability Theory* at the ECPR Summer School in Methods & Techniques in 2010, at the same institution. In 2010 he also taught the course *Imprecise Markov Chains* at the 4th SIPTA Summer School in Durham, UK.

In 2008 he received the Alan Richards Fellowship at Grey College, Durham University, UK, from April to June 2008.

He was a head of the Chair of Social informatics and Methodology at FDV, UL 2006–2008 and 2011–2013.

He is a member of the Society of Mathematicians, Physicists and Astronomers of Slovenia; the Slovenian Society Informatika; the Statistical Society of Slovenia and the Society for Imprecise Probability: Theories and Applications.

He is a reviewer for Mathematical Reviews, a member of the editorial board of the International Journal of Data Analysis Techniques and Strategies, and a reviewer for several journals and scientific conferences.

His research interests are mainly related to imprecise probabilities. They include modelling stochastic processes under uncertainty (both in discrete and continuous time), modelling risk and uncertainty for decision making, differential equations with uncertain parameters, and computational aspects of stochastic models.

Selected publications

Discrete time Markov chains with interval probabilities. *International Journal of Approximate Reasoning* 50(8):1314–1329, 2009.

Coefficients of ergodicity for Markov chains with uncertain parameters. (with R. Hable) *Metrika* 76:107–133, 2013.

A classification of invariant distributions and convergence of imprecise Markov chains. *Linear Algebra and its Applications* 439(9):2542–2561, 2013.

Efficient computation of the bounds of continuous time imprecise Markov chains. *Applied Mathematics and Computation* 250:165–180, 2015.

Random walks on graphs with interval weights and precise marginals. *International Journal of Approximate Reasoning* 73:76–86, 2016.