

STOR-i Conference: 10th – 11th January 2019

Speaker Biographies

Day 1

Alison Etheridge, Department of Statistics, University of Oxford

Alison began her research career as a graduate student in functional analysis, but rapidly became interested in the interface between probability and analysis. In the last couple of decades, much of her work has been inspired by questions arising in population genetics. She split her time as a graduate student between Oxford and McGill, and held positions in Oxford, Cambridge, Edinburgh, Berkeley and Queen Mary before returning to Oxford, where she is now Professor of Probability.

Kathryn Turnbull, STOR-i PhD student

Kathryn is a third year PhD student at the STOR-i Centre for Doctoral Training. Her research interests include statistical network analysis and Bayesian inference schemes, and her current work is focused around latent space network modelling. She is supervised by Christopher Nemeth, Simon Lunagomez, Matthew Nunes and Tyler McCormick.

Lisa Turner, Lubrizol (STOR-i Alumni)

Lisa Turner is a Data Scientist at Lubrizol, a market driven, global chemical speciality company. She mainly works within the area of product development, using statistics and optimisation to help reduce the cost and development time it takes to get a product to market. She joined Lubrizol in May 2017, after completing her PhD at STOR-i.

Elisabeth Ling, Elsevier

Elisabeth Ling is Managing Director, Researcher Products and Research Metrics at Elsevier. In this role, she oversees the development of digital workflows for researchers, with a special focus on Reading, Evaluation, Editorial workflows. Her expertise is in developing digital products to best meet the needs of their users, leveraging analytics, data science approaches and user research. Prior to that, Elisabeth was SVP Analytics for Research Products at Elsevier for 3 years leading a team of data scientists and digital product analysts. She has worked for over 20 years in the digital industry, including over 5 years with PayPal and eBay.

In parallel, she is member of the Board of Directors of Project COUNTER, and on the reserve list of the European Commission High-Level Expert Group on Artificial Intelligence. She has an MSc Maths from Ecole des Ponts - Paris Tech, and an MA Marketing from ESSEC Business school.

David Morton, Department of Industrial Engineering and Management Sciences, Northwestern University

David Morton is the David A. and Karen Richards Sachs Professor and Department Chair of Industrial Engineering and Management Sciences at Northwestern University. His research interests include stochastic and large-scale optimization with applications in security, public health, and energy systems. Prior to joining Northwestern, he was on the faculty at the University of Texas at Austin, worked as a Fulbright Research Scholar at Charles University in Prague, and was a National Research Council Postdoctoral Fellow in the Operations Research Department at the Naval Postgraduate School. He received the Commemorative Medal of the Faculty of Mathematics and Physics of Charles University, the George E. Nicholson Paper Prize, and was a finalist for the EURO Excellence in Practice Paper Prize.

Chris Harbron, Roche

Chris Harbron is a Senior Principal Statistician within the Methods, Collaboration and Outreach (MCO) group of the Biostatistics function at Roche. Through a variety of roles within the pharmaceutical industry Chris has worked in all stages of the drug development pipeline from drug discovery to early and late development. He has a particular

interest in the design and analysis challenges in the application and discovery of biomarkers both for Personalised HealthCare and for robust decision making. Chris has published and presented widely both within the statistical and the broader scientific literature.

E Marian Scott, School of Mathematics and Statistics, University of Glasgow

Marian is Professor of Environmental Statistics in the School of Mathematics and Statistics at the University of Glasgow; an elected member of the International Statistical Institute (ISI), a Fellow of the Royal Society of Edinburgh (RSE) and a chartered statistician of the Royal Statistical Society (RSS). She is the vice president (International) of RSE, a member of the Joint Nature Conservation Committee (JNCC), a member of the EU Scientific Committee on Health, Environment and Emerging Risks (SCHEER) and a board member of the James Hutton Institute. Marian's research interests include model uncertainty and sensitivity analysis; modelling the dispersal of pollutants in the environment (including air and water quality), the science of measurement (specifically radiocarbon dating) and assessment of animal welfare. She was awarded an OBE in 2009 for services to science.

Day 2

Arne Strauss, Warwick Business School

Dr Arne K. Strauss is Associate Professor of Operational Research in the Operations Group at Warwick Business School and Turing Fellow at the Alan Turing Institute. He holds a Ph.D. in Management Science from Lancaster University, a Master's degree in mathematics from Virginia Tech, USA, and a diploma (equivalent to Master degree) in mathematics and business administration from the University of Trier, Germany.

His main research area is demand management and revenue optimisation involving models of customer choice; an interest that he pursues with various projects, including industrial collaborations. He won several prizes for his doctoral dissertation including the doctoral prize of the Operational Research Society for the best PhD dissertation 2009, and he was awarded the OR Society's Goodeve medal for the best paper published in the Journal of the Operational Research Society in 2012. He is a recipient of an IBM Faculty Award in 2015 worth \$20k, jointly with two colleagues from Q-Step and Computer Science at Warwick.

Shreena Patel, dunnhumby (STOR-i Alumni)

Shreena Patel is a STOR-i alumna, having been part of the first intake of students in 2010. Her PhD centred around the estimation of price elasticity in customised pricing environments and was performed in conjunction with Kalibrate Technologies. After leaving STOR-i, she joined dunnhumby in their London office as a Data Scientist. First working on Tesco's online recommendation systems, she then moved to a product development team and now leads data science projects for Tesco Bank, working to improve their financial service offerings for Tesco customers.

Audrey Lagache, EDF

Audrey Lagache graduated as an engineer from ENSAI, France, in 2011. She has been a Research Engineer at EDF R&D since 2012. She is mostly interested in time series analysis and forecasting, semi-parametric models, and their applications to electricity modeling at different levels of aggregation. Audrey has been managing the project consumption forecasts for the distribution network since 2018.

Jake Clarkson, STOR-i PhD Student

Jake Clarkson is a third-year PhD student at the STOR-i Centre for Doctoral Training. His PhD project involves determining the optimal way to search for a hidden object when both a fast and a slow search mode are available. This work is in collaboration with the Naval Postgraduate School in Monterey, California. Prior to joining STOR-i, Jake completed his MSci Mathematics degree at Lancaster University. Jake is currently on a four-month internship with The Smith Institute.