Professor Iain Gordon – Head of School

Iain is from Edinburgh, and is married with 2 young children. He studied maths at the smaller universities of Bristol, Cambridge and Glasgow, finishing with a PhD on Quantum Groups. He was a Seggie Brown Fellow in Edinburgh, an EU postdoc in Bielefeld and in Antwerp, and an MSRI postdoc at MSRI. He then became a lecturer in the Mathematics Department in Glasgow, eventually coming to the University of Edinburgh to take up the Chair of Mathematics. His research is in Lie theoretic representation theory with connections to algebraic geometry, algebraic combinatorics and non-commutative algebra.

Nicole Luu – School Operations Secretary

Nicole grew up in Hamburg, Germany. After visiting Edinburgh as a tourist, she decided to stay in Scotland and doesn’t regret it. Nicole worked for the SRUC and in the School Office of the School of Literatures, Languages and Cultures before taking up her post in the School of Mathematics.
Dr David Siska – Lecturer Probability

David did his PhD with István Győngy at the University of Edinburgh. He then worked for a number of years as Quantitative Analyst in the fixed income department for BNP Paribas in London. Having realised how much he missed doing mathematics he moved to a postdoc position at the University of Bielefeld in Germany and then to a lecturer position at the University of Liverpool. His research interests lie in numerical methods for deterministic and stochastic partial differential equations, in stochastic control theory and their applications in financial mathematics and actuarial science.

Dr Goncalo dos Reis – Lecturer Probability

Gonçalo is Portuguese and obtained his diploma in Mathematics (with a major in Numerical analysis) at the Instituto Superior Tecnico of Lisbon. He then, supervised by P. Imkeller, did his PhD in Stochastic analysis at the Humboldt University in Berlin. He worked in the group of N. Touzi as a postdoc at Ecole Polytechnique in France and then as a postdoc in the group of P. Friz at the Technische University Berlin. Gonçalo's interests are Stochastic Analysis, Numerical Analysis and PDEs all applied to Mathematical Finance and Physics.

Dr Ioannis Papastathopoulos – Chancellor’s Fellowship

Ioannis Papastahopoulos was born in Athens, Greece. He received his undergraduate training in Statistics and Insurance Mathematics at the University of Piraeus, his MSc and PhD from Lancaster University under Professor Jonathan Tawn and spent two years as a Brunel Research Fellow in Statistics at the University of Bristol.
His interests are in extreme value theory, methods and its applications. More recent interests include the development of graphical models for dimension reduction and dependence estimation of multivariate and spatial extremes.

Dr Adam Boocher – Post Doctoral Research Assistant

Adam was an undergraduate student at the University of Notre Dame and then completed his Ph.D in California at UC Berkeley. His interests include algebraic and geometric questions with a combinatorial flavour. Recently he has become interested in studying how the algebraic invariants of modules change upon degeneration.

Dr Martin Kalck – EPSRC Post Doctoral Research Assistant

Martin studied mathematics in Bonn where he received his PhD in 2013. Before coming to Edinburgh he had a postdoc position in Bielefeld. He is interested in homological structures arising in representation theory, singularity theory and geometry.

Dr Dimitra Kosta – Daphne Jackson Fellowship
Dimitra's education and research were hosted at the University of Ioannina, the University of Edinburgh and the University of Vienna, where she gained experience at undergraduate, doctoral and post-doctoral level. She is currently a Daphne Jackson Fellow funded jointly by the University of Edinburgh and EPSRC, following a career break for maternity reasons. Her research originally lay in the area of birational geometry, yet recently she has also been interested in the interplay between algebraic geometry and statistics.

Dr Chunyi Li – Post Doctoral Research Assistant

Chunyi grew up in Tianjin, China, and studied mathematics as an undergraduate in Peking University at Beijing. He received his Ph.D. from the University of Illinois under Thomas Nevins in 2014. His research interests are in algebraic geometry, geometric representation theory and non-commutative algebra. His most recent work has been focused on derived categories of coherent sheaves, stability condition and wall-crossing.

Dr Julian Mak – Post Doctoral Research Assistant

Originally from Hong Kong, Julian read for a MMath at Durham and a PhD in the Department of Applied Mathematics at Leeds. Subsequently, he moved to the Department of Geophysics and Planetary Sciences at Tel Aviv University, Israel, for a 12 month post-doc position, before returning to the UK for this post-doc position at Edinburgh. He is generally interested in fluid dynamical problems that arise in geophysical and astrophysical systems; specific research interests include fluid instabilities, baroclinic turbulence, and wave/eddy-mean interactions.
Dr Alice Rizzardo - Post Doctoral Research Assistant

Alice studied mathematics at the University of Bologna, Italy. She received her PhD in Algebraic Geometry from Columbia University in May 2012. She has held postdoctoral positions at SISSA (Italy) and the Mathematical Sciences Research Institute (US). Her mathematical interests are in algebraic geometry, and specifically in the derived category of coherent sheaves on a variety. In particular, she has been studying functors between derived categories of coherent sheaves and whether they can be expressed in a geometric way.

Dr Zheng Qu - Post Doctoral Research Assistant

Zheng was born in a small village in the south of China. Before leaving for France, she was an undergraduate student in Tongji University, Shanghai, where she developed her first interest for mathematics. She completed her engineering degree, Master degree and Ph.D. degree, all in applied mathematics, in Ecole Polytechnique. Her research activities focus on optimization and optimal control. She is interested by both theoretical analysis and algorithmic development. She also loves teaching.

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