

## **BSHM Council 2020 Nominees: Biographical Notes**

**Troy Kaighin Astarte** is a research assistant at Newcastle University. Troy's research is on the history of computing, particularly on theoretical and mathematical aspects of computer science. A past research project looked at formal descriptions of programming languages and Troy's new project is on the history of concurrency and parallelism in computing. A further interest is the overlap between mathematics and computing and the way that ideas and interactions appear between the two fields. Troy also teaches a course on the semantics of formal languages. Since January 2019 Troy has been the BSHM's webmaster and computing person in residence.

**June Barrow-Green** June Barrow-Green is Professor of History of Mathematics at the Open University. She is Chair of the Executive Committee of the International Commission on the History of Mathematics. She was President of the BSHM 2003-2005 and has represented BSHM on the Joint Mathematical Council since 2003. Her research focuses on late 19th and early 20th century mathematics. She is currently working on aspects of 19th century British mathematics, the representation of women in mathematics, and the development of topological dynamics.

**Isobel Falconer** is a part-time Reader in the History of Mathematics at the University of St Andrews, and a long-standing Associate Lecturer with the Open University, serving on OU Council 2010-2014. She is interested in the interfaces between mathematics and physics, particularly in the nineteenth century. She was, in the late 1970s, curator of the museum at the Cavendish Laboratory in Cambridge, and much of her work has focused on Cambridge physicists, especially J J Thomson and Clerk Maxwell. She has been BSHM meetings coordinator for the past two years, and is reviews editor for the BJHM. She has recently been elected to the executive committee of the International Commission for the History of Mathematics.

**Sarah Hart** is a Professor of Mathematics at Birkbeck College, University of London, and head of mathematics and statistics there. She is also the current Gresham Professor of Geometry. A longstanding BSHM member, she has served on council once before, and since 2014 has organised an annual one-day BSHM conference at Birkbeck, with themes ranging from the history of symmetry to logic, number theory, and cryptography. Her mathematics research is focused on group theory. She is enthusiastic about outreach work, and is regularly invited to give public lectures and to visit schools to talk about mathematics.

**Snezana Lawrence**, Snezana Lawrence, Senior Lecturer, Department of Mathematics and Engineering Design, Middlesex University, is a mathematical historian. Her work on the creativity, identity, and engagement in the learning of mathematics has taken her to be involved in national and international initiatives to promote the use of the history of mathematics in mathematics education. Snezana is the History and Pedagogy of Mathematics (HPM) Chair 2020-2024 and is a Council Member and Diversity Champion for the Institute of Mathematics and Its Applications.

**Dorothy Leddy** retired some years ago from her position as Senior Project Manager for research and development information systems in a global agriculture company. Her early career involved research into symbiotic microflora of hill and upland pastoral systems leading to an MPhil degree in agricultural microbiology. She subsequently graduated in mathematics at the Open University and obtained a Master's degree in software engineering at Oxford University, both of which fuelled her interest in logic and mathematical philosophy, as well as historical approaches to number theory.

**Ken Lord** has a PhD in mathematics and spent most of his working life as a design engineer in the defence industry. Now retired, he enjoys attending lectures in mathematics, especially those with a historical flavour.

**Ciarán Mac an Bhaird** is Lecturer in the Department of Mathematics and Statistics at Maynooth University and Director of the Mathematics Support Centre. His current research interests are mostly in mathematics education, particularly on the impact of student engagement with mathematics supports. He also conducts some research in the history of mathematics, currently focussing on the mathematical archives at the Russell Library in Maynooth and on the benefits, to students, of using the historical materials and examples in mathematics teaching.

**Mark McCartney** is Senior Lecturer in Mathematics at the University of Ulster and has previously served on Council as Publicity Secretary (2009-12) and as Education Officer (2015-2017). His current research interests lie in applied mathematics (nonlinear dynamics and mathematical modelling), and the history of nineteenth century mathematical physics. He is Librarian and Member of Council of the London Mathematical Society.

**Klaas Sijbrandij** is the Group Reserving Actuary for Direct Line and has previously held roles as Underwriter, Chief Actuary and Chief Risk Officer for an international (re-)insurance group. He studied pure mathematics at the TU Berlin, Magdalene College, Cambridge and Durham University where he did his PhD in Differential Geometry.

**Fenny Smith** retired a few years ago from a career in information security and software development. Her interests are in early number representation and use, and the part that commerce has played in the development and dissemination of our modern number system. Her PhD is a study of the arithmetic and algebra of the 15th century mathematical encyclopaedist Luca Pacioli, and in 2012 she co-edited a celebration of the Tudor polymath Robert Recorde. She has also taught a couple of courses on Numbers through the Ages for her local WEA (Workers' Educational Association) and given talks on related subjects. For relaxation she knits topological curiosities.

**Brigitte Stenhouse** is a PhD student at the Open University. Her research focuses on the mathematical work of Mary Somerville (1780-1872), in the context of mathematical translations; circulation of mathematics between France and the UK in the early nineteenth century; and gendered access to knowledge. She has been a member of the BSHM since 2016, and a co-organiser of the annual Research in Progress meeting since 2018.