

## Mr Peter Rowlett BSc (Hons) MSc PGCertHE FHEA MIMA MBCS

HE Curriculum Innovation Advisor

**[School of Mathematics \(/schools/mathematics/index.aspx\)](/schools/mathematics/index.aspx)**

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### About

Peter Rowlett is HE Curriculum Innovation Advisor on the Mathematical Sciences HE Curriculum Innovation Project, part of the Mathematical Sciences Strand of the National HE STEM Programme.

This involves distributing funding and supporting funded projects, research into mathematics HE curriculum (course delivery and design) and dissemination of research findings and staff development.

Peter is also an enthusiastic communicator of mathematics and in his spare time volunteers for the Institute of Mathematics and its Applications, the British Society for the History of Mathematics, co-hosts a mathematics news podcast for science communication project Pulse-Project.org and volunteers as a STEM Ambassador.

### Qualifications

- Fellow of the Higher Education Academy 2010
- Postgraduate Certificate in Higher Education, Nottingham Trent University 2010
- Member of the Institute of Mathematics and its Applications 2005
- Member of the British Computer Society 2004
- MSc in Engineering Multimedia, Nottingham Trent University 2004
- BSc (Hons) Mathematics, University of Nottingham 2002

### Biography

Peter Rowlett qualified with a BSc (Hons) in Mathematics from the University of Nottingham in 2002. He worked to set up and develop the service mathematics virtual support environment MELEES at the University of Nottingham before starting an MSc at Nottingham Trent University in computing and multimedia. During his MSc he worked as a consultant to the Council for the Mathematical Sciences MathsCareers.org.uk project.

In 2004 he began working as a developer for the Royal Statistical Society Centre for Statistical Education. He worked as a part time mathematics lecturer for three semesters and worked as University Liaison Officer for the Institute of Mathematics and its Applications (IMA), a role which involved giving 72 talks on careers for mathematicians and popular maths topics at 45 university mathematics departments in England, Scotland and Wales over three semesters. Peter also worked in learning technology in mathematics at the University of Nottingham before joining Birmingham in August 2010 to deliver the Mathematical Sciences HE Curriculum Innovation Project, a part of the National HE STEM Programme.

Peter is a member of Council for the British Society for the History of Mathematics, Vice Chair of the IMA East Midlands Branch and Chartership Leader for the IMA Early Career Mathematicians Group. He is organiser of MathsJam Nottingham, co-host of the Math/Maths Podcast for science communication project Pulse-Project.org and a registered STEM Ambassador. He is studying for a PhD in e-assessment in mathematics in his spare time.

### Research

#### RESEARCH THEMES

- Mathematics Education

#### RESEARCH ACTIVITY

The Mathematical Sciences HE Curriculum Innovation Project is supporting work in various areas of the curriculum, including graduate skills, employer involvement in curricula, flexible learning, computer-aided assessment and schools outreach. More information on funded projects can be obtained from [mathshe.wordpress.com/funded-projects](http://mathshe.wordpress.com/funded-projects) (<http://mathshe.wordpress.com/funded-projects>)

As well, Peter has been involved in designing and running workshops on graduate skills, technology in teaching, mathematical writing and developing mathematical thinking through problems, puzzles and games.

In addition, a HE Mathematics Curriculum Summit took place in January 2011 to identify current priorities for curriculum development in HE Mathematics programmes. This attracted Heads of Department or their representatives from 26 university mathematics departments (about half those in England and Wales), the professional bodies and some education organisations. Peter edited the Summit report, "HE Mathematics Curriculum Summit".

### Other activities

- Chartership Leader, Institute of Mathematics and its Applications Early Career Mathematicians Group, since 2010

- Council Member, British Society for the History of Mathematics, since 2009
- Vice Chair, Institute of Mathematics and its Applications East Midlands Branch, since 2007
- Chair, Accessing Maths, Stats and OR, a Working Group of the Higher Education Academy Maths, Stats and OR Network, 2008-2009

## Publications

Rowlett, P. (2010). "Guarding art galleries: design and evaluation of an undergraduate research based group project in mathematics." In Proceedings of Annual Learning and Teaching Conference "Developing students as scholars", Nottingham Trent University, 29 March 2010, pp. 12-14.

Rowlett, P. (2010). Ask the audience (yes, all of them). MSOR Connections, 10(1):3-5.

Rowlett, P. (2010). Shape of the cosmos. iSquared Magazine, 11:23-27.

Rowlett, E.J. and Rowlett, P.J. (2009). Visual impairment in MSOR. MSOR Connections, 9(4):43-46.

Rowlett, P. (2009). Ciphers through the ages. iSquared Magazine, 10:24-27.

Rowlett, P.J. (2004). Pseudo-randomised CAA by "preprocessing" MathML. Maths CAA Series [online], September. Available from: <http://mathstore.ac.uk/articles/maths-caa-series/sep2004/index.shtml>.

Hibberd, S., Litton, C., and Rowlett, P. (2004). Melees - Managing Mayhem? In The Mathematical Education of Engineers IV, Loughborough University, 2-3 April 2003.

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