The London Mathematical Society Computer Science Colloquium 2013

Mathematics Research Beyond the Blackboard

Tuesday 29 October, 10.30 – 16.30

De Morgan House, 57-58 Russell Square, London, WC1B 4HS. (Nearest tube: Russell Square)

In recent years computer science has made a variety of contributions to the way mathematics research is done. These range from formal proofs of results too complex for humans to do by hand, such as the Kepler conjecture, to sophisticated computational tools such as chebfun for analysis and GAP for algebra and combinatorics, and even the use of social media to "crowdsource" proofs. The colloquium presents introductory talks, aimed at the level of interested graduate students or postdocs, for those who want to know more about these new ways of doing mathematics research, with ample scope for questions and discussion.

John Harrison (Intel Corporation)
Computer proofs, where we are and where we are going

Nick Trefethen (University of Oxford)
Numerical computation with functions instead of numbers

Ursula Martin (Queen Mary, University of London)
Mathematical practice, crowdsourcing, and social machines

Steve Linton (University of St Andrews)
Experiment and Exploration in Algebra and Combinatorics

Full abstracts and timetable for the day can be found at: http://www.lms.ac.uk/events/computer-science-day

The Computer Science Colloquium is part of an LMS initiative of activities at the interface between Mathematics and Computer Science.

To register, please contact Duncan Turton (computerscience@lms.ac.uk) The day is free for students and £5 for all others which is payable on the day. A sandwich lunch will be provided. Limited funds are available to help with students’ travel costs. Further details are available from Duncan Turton at the Society (computerscience@lms.ac.uk)