**The London Mathematical Society in association with the EPSRC Network on *Numerical Algorithms and High Performance Computing***

# *Verification and Numerical Algorithms*

## Tuesday 13 November, 10.30 – 16.30

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



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The aim of the colloquium is to provide an opportunity for dialogue between researchers working in the Mathematics of Numerical Algorithms and Computer Scientists working in Formal Verification of numerical programs. The programme of talks will interest both Graduate Students and more established researchers undertaking work in these areas, and the event will provide an occasion for informal networking and the exploration of connections between Numerical Analysis and Formal Verification. All interested Mathematicians and Computer Scientists are warmly encouraged to participate in this unique colloquium.

**Jean-Michel Muller** (ENS Lyon)
*Proof of Properties in Floating-Point Arithmetic*

**David Monniaux** (CNRS/VERIMAG)
*Formal verification of safety-critical software*

**Daniel Kroening** (University of Oxford)
*Deciding Floating-Point Logic with Systematic Abstraction*

**George A. Constantinides** (Imperial College London)
*Numerical Algorithms in Hardware*

**Full abstracts and timetable for the day can be found at:**
**http://www.lms.ac.uk/content/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)