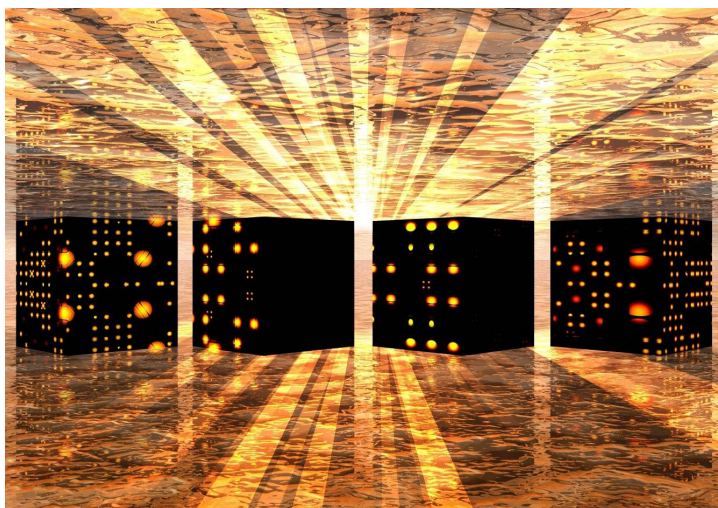# LMS Computer Science Colloquium

<u>High Performance Scientific Computing at the Exascale</u>

Tuesday 11 October, 10.30 – 16.30

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

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The aims of the meeting are to showcase state of the art scientific computing applications, to identify some of the challenges posed by next generation high performance machines and indicate promising approaches to tackling the problem.

Marc Snir (Illinois)
Exascale Computing: The Last Rehearsal Before the Post-Moore Era

Ulrich Ruede (Erlangen)
Towards Exascale Computing: Multilevel Methods and Flow Solvers for Millions of Cores.

Oubay Hassan (Swansea)
Towards Fully Parallel Aerospace Simulations on Unstructured Meshes

Paul Kelly (Imperial College)
Software Abstractions for many-core software engineering

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

The Computer Science Day is part of an LMS initiative of activities at the interface between Mathematics and Computer Science. Research students from both the Computer Science and Mathematics communities are especially welcome to participate.

To register, please contact Elizabeth Fisher (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 Elizabeth Fisher at the Society (computerscience@lms.ac.uk)