

# Bath/Brunel/Imperial/Oxford/Reading Numerical Analysis Postgraduate Seminar Day Wednesday 25th October 2006

Brunel University  
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All presentations will take place in Room M128 of the *John Crank* (mathematics) building at the Uxbridge campus of **Brunel University**, [www.brunel.ac.uk](http://www.brunel.ac.uk).

## Programme

**11:00** — Tea/Coffee in Room M128

**11:30** — David Katz (Reading): *The application of PV-based control variable transforms in data assimilation.*

**11:55** — Thomas Schmelzer (Oxford): *The fast evaluation of matrix functions for exponential integrators.*

**12:20** — Richard Norton (Bath): *The spectral Galerkin finite element method applied to photonic crystal fibres.*

**12:45** — Lunch: nothing specific is booked. There is a campus refectory (salads, sandwiches, hot meals, pizza, ...), Cafe Rococo (good coffee, paninis, pastries, ...) and Bar Zest (bistro, alcohol, ...).

**2:00** — Jenny Morrell (Reading): *A cell by cell anisotropic adaptive mesh ALE scheme for the numerical solution of the Euler equations.*

**2:25** — Stephen Girdlestone (Imperial): *Computing homoclinic orbits.*

**2:50** — Martin Healey (Brunel): *Investigations into the mortar boundary element method.*

**3:15** — Tea/Coffee in Room M128

**3:45** — Christoph Ortner (Oxford): *A posteriori existence in numerical computations.*

**4:10** — Zhivko Stoyanov (Bath): *A sensitivity analysis of spectral clustering with applications in bioinformatics.*

**4:35** — End: arrange next venue, social gathering.