Foundations of Computational Mathematics '99

18–28 July 1999, University of Oxford

Plenary speakers

- ⋆ **J. BALL** (Oxford)
- ⋆ **I. DAUBECHIES** (Princeton)
- ⋆ **J.-P. DEDIEU** (Toulouse)
- ⋆ **A. EDELMAN** (MIT)
- ⋆ **J. HEINTZ** (Buenos Aires)
- ⋆ **N. HIGHAM** (Manchester)
- ⋆ **R. McLACHLAN** (Massey)
- ⋆ **J. NOCEDAL** (Northwestern)
- ⋆ **E. NOVAK** (Erlangen)
- ⋆ **P. OLVER** (Minneapolis)
- ⋆ **B. POONEN** (UC Berkeley)
- ⋆ **R. RANNACHER** (Heidelberg)
- ⋆ **G. SAPIRO** (Minneapolis)
- ⋆ **A. STUART** (Stanford)
- ⋆ **D. TALAY** (Sophia Antipolis)
- ⋆ **W. THURSTON** (UC Davis)
- ⋆ **L. VALIANT** (Harvard)
- ⋆ **S.-T. YAU** (Harvard)

Workshops

Nonplenary lectures will be held in fourteen workshops, spanning a broad range of mathematical topics. The workshops and their organisers are

Analysis and approximation of infinite-dimensional problems
John Ball & Endre Süli

Approximation theory
Ron DeVore & Allan Pinkus

Complexity theory, real machines and homotopy
Jean-Pierre Dedieu & Pascal Koiran

Computational dynamics
John Guckenheimer & Robert MacKay

Computational geometry and topology
David Epstein & David Gabai

Computational number theory
Richard Brent & Henri Cohen

Geometric integration and computation on manifolds
Chris Budd & Hans Munthe-Kaas

Information-based complexity
Stefan Heinrich & Erich Novak

Multiresolution, computer vision and PDEs
Vicent Caselles & Wolfgang Dahmen

Numerical linear algebra
Alan Edelman & Nick Higham

Optimization
Nick Gould & Mike Todd

Relations to computer science
László Lovász & Bill McColl

Stochastic computation
Peter Kloeden & Dominique Picard

Symbolic algebra and analysis
James Davenport & Elizabeth Mansfield

For further information please look at the FoCM home page at
`www.damtp.cam.ac.uk/user/na/FoCM/`
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or write to

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Teresa KRICK *(Publicity)*
Wolfgang DAHMEN
Gene GOLUB
David MUMFORD
Marie-Francoise ROY
Steve SMALE
Gil STRANG
Henryk WOŹNIAKOWSKI

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Richard BRENT Oxford
Chris BUDD Bath
Mike GILES Oxford
Nick GOULD RAL
Nick HIGHAM Manchester
Bill McCOLL Oxford
Endre SÜLI Oxford *(Chair)*
Nick TREFETHEN Oxford

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