

FoCM'11

FOUNDATIONS of COMPUTATIONAL MATHEMATICS

Budapest • July 4-14, 2011



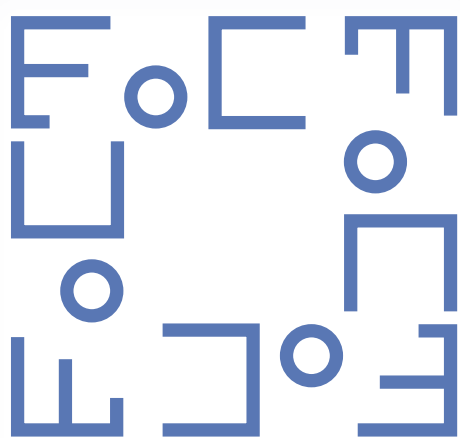
PLENARY SPEAKERS

- Noga Alon
- Carlos Beltrán
- Gunnar Carlsson
- Dave Donoho
- Rob Ghrist
- Alberto Grünbaum
- Olga Holtz
- Tom Hou
- Evelyne Hubert
- László Lovász
- Christian Lubich
- Hans Munthe-Kaas
- Michael Overton
- Klaus Ritter
- Steve Smale
- William Stein
- Mike Stillman

Stephen Smale Lecture:

- Snorre H. Christiansen

FOCM



The conference, organised by the Society for Foundations of Computational Mathematics, is seventh in a sequence that commenced with the Park City, Rio de Janeiro, Oxford, Minneapolis, Santander and Hong Kong FoCM meetings.

WORKSHOPS

- Real-number complexity
- Geometric integration and computational mechanics
- Information-based complexity
- Computational harmonic analysis, image and signal processing
- Continuous Optimization
- Special functions and orthogonal polynomials
- Discrete Optimization
- Asymptotic analysis and high oscillation
- Approximation theory
- Combinatorics and intractability in computation
- Flocking, swarming, and control of distributed systems
- Numerical linear algebra
- Computational algebraic geometry
- Stochastic computation
- Computational dynamics
- Learning theory
- Multiresolution and adaptivity in numerical PDEs
- Computational number theory
- Random matrix theory, computations & applications
- Symbolic analysis
- Foundations of numerical PDEs

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