



Universität Zürich
Institut für Mathematik

Winterthurerstrasse 190
CH- 8057 Zürich
Tel. +41 44 635 58 76
Fax +41 44 635 57 05
www.math.unizh.ch

Room: Y36-M94

Schweizer Numerik Kolloquium
Colloquium Numérique Suisse

Program

- 09.15 h Welcome
- 09.30 h **Andrea Bonito**, Analyse et Simulation Numérique, EPF Lausanne
3D-numerical simulations of viscoelastic fluids with complex free surface
- 10.00 h **Dr. Nicola Parolini**, Chaire de Modélisation et Calcul Scientifique, EPF Lausanne
A new reinitialization procedure for the finite element approximation of the level set equation
- 10.30 h Break
- 11.00 h **Yasser Safa**, Analyse et Simulation Numérique, EPF Lausanne
Numerical simulations of thermo-magneto-hydrodynamic phenomena
- 11.30 h **Prof. Dr. Olivier Besson**, Université de Neuchâtel
Space-time least squares solution of conservation laws
- 12.00 h Lunch
- 13.15 h **Dr. David Cohen**, Université de Genève
Highly Oscillatory Differential Equations
- 13.45 h **Christoph Kirsch**, Universität Basel
Non-reflecting boundary conditions for multiple scattering problems in unbounded domains
- 14.15 h **Prof. Dr. Jörg Waldvogel**, Seminar für Angewandte Mathematik, ETH Zürich
Eigenvalues of infinite matrices
- 14.45 h Break
- 15.30 h **Dr. Manuel Torrilhon**, University of Science and Technology, Hongkong
On Gas-Kinetic Numerical Methods for Viscous Flow
- 16.00 h **Dr. Anton Smolianski**, Universität Zürich
Functional-Type A Posteriori Estimation of Discretization and Modelling Errors
- 16.30 h End of Workshop

