

ECMI 2014 - Program at a glance

ver. June 7, 2014

| | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | |
|-------------|-------------------------------|-------------------|-------------------|--------------------|------------------|-----------------|---------|
| 8:30-10:30 | | 36 60 2 38 42 9 | 21 51 29 6 52 43 | 18 260 88 61 14 20 | 30 8 12 39 4 C | 4 63 37 11 25 C | MS |
| 10:30-11:00 | | Coffee break | Coffee break | Coffee break | Coffee break | Coffee break | |
| 11:00-12:00 | | Ferrari | Quarteroni | Castro | Vasileska | Albanese | |
| 12:00-13:00 | | 17 31 2 24 22 1 | 21 47 60 6 C C | 18 28 62 27 14 20 | 27 8 32 48 4 C | 5 15 54 11 C CW | MS - I |
| 13:00-14:30 | | Lunch | Lunch | Lunch | Lunch | Lunch | |
| 14:30-15:30 | | Maini | Méléard | 18 28 62 27 10 | Maury | Kienitz | |
| 15:30-16:30 | | 17 31 2 24 C 1 | 21 47 60 6 16 C | Coffee break | Anile-ECMI prize | 5 15 54 11 46 C | MS - II |
| 16:30-17:00 | Registration | Coffee break | Coffee break | | Coffee break | Coffee break | |
| 17:00-18:00 | | 17 58 53 23 10 19 | 18 36 60 13 16 35 | 18 30 28 33 40 4 C | 27 8 32 48 4 C | 5 41 54 26 46 C | MS |
| 18:00-19:00 | Anile Legacy: satellite event | | | C | Posters | | |
| 19:00-20:00 | | Concert | | | | | |
| 20:00-21:00 | Welcome party | | | | | | |
| 21:00-23:00 | | | | | Social Dinner | | |

CW: Wacker prize. It will take place as first talk in the Friday contributed session at 12 noon

List of mini-symposia

| Authors | Title |
|---------|---|
| C | Contributed session |
| 1 | Proposal of Mini-Symposium for ECMI 2014 "Spacetime Models of Gravity in Geolocation and Acoustics" |
| 2 | Imaging and inverse problems |
| 4 | Minisymposium Computational Finance |
| 5 | Minisymposium Mathematical Modelling in Energy Markets |
| 6 | Industrial Particle and Interface Dynamics |
| 8 | Methods for Advanced Multi-Objective Optimization for eDFY of complex Nano-scale Circuits |
| 9 | Robust Variable-Structure Approaches for Control and Estimation of Uncertain Dynamic Processes |
| 10 | Online Industrial Mathematics |
| 11 | Minisymposium: Simulation and Optimization of water and gas networks |
| 12 | Mathematical methods in medical imaging |
| 13 | Mathematical Modelling of Drug Delivery |
| 14 | European Study Groups with Industry |
| 15 | Young Researchers' Minisymposium: High Performance Computational Finance |
| 16 | Non-hydrostatic wave propagation with depth averaged equations: models and methods |
| 17 | Minisymposium: Tailored Mathematics for the Technical Textile Industry |
| 18 | EU-MATHS-IN: a European Network of Mathematics for Industry and Innovation |
| 19 | ECMI 2014 Mini-Symposium Proposal Simulation and Optimization of Solar Tower Power Plants |
| 20 | The Collaborative Workshop Initiative: The intersection of theoretical and experimental industrial science |
| 21 | Minisymposium on "Mathematical and numerical modeling of the cardiovascular system" |
| 22 | The Emerging Discipline of Pharmacometrics : At the Crossroad of Mathematics and Modern Pharmaceutical Sciences |
| 23 | Minisymposium proposal on "Mathematics and CAGD: interactions and intersections" |
| 24 | Shape and Size in Biomedicine, Industry and Materials Science: an ECMI Special Interest Group |
| 25 | Success stories from the ECMI Educational Programme |
| 26 | Mini-symposium: FEniCS and dolfin-adjoint: Innovative tools for automated finite element simulations |
| 27 | Minisymposium: Semiclassical and quantum transport in semiconductors and low dimensional materials |
| 28 | Parameterized model order reduction methods for complex multidimensional systems |
| 29 | Minisymposium proposal "Model reduction in Continuum Thermodynamics" |
| 30 | Selected Topics in Semi-Classical and Quantum Transport Modeling |
| 31 | Minisymposium: Simulation, Model Order Reduction and Robust Optimization for Industrial E-Mobility Applications |
| 32 | Structured Numerical Linear Algebra in Imaging and Monument conservation |
| 33 | Title: Mathematical Problems from Semiconductor Industry |
| 35 | Minisymposium "Numerical Methods in Volcano Geophysics" |
| 36 | New progress on numerical modeling of Geophysical flows for environment, natural hazards, and risk evaluation. |
| 37 | Recent trends in modeling, analysis, and simulation of induction heat treatments |
| 38 | Simulation and control of hot-rolling |
| 39 | Models of drift-diffusion for concentrated solutions |
| 40 | Mathematical Modelling of Photovoltaic Devices |
| 41 | Bayesian and approximative sampling methods for Uncertainty Quantification |
| 42 | Nature's natural order: from individual to collective behaviour and self-organization |
| 43 | Model Based Optimization of Industrial Processes |
| 46 | Network processes and differential equations |
| 47 | Numerical methods for stiff problems in partial differential equations and applications |
| 48 | Recent advances on equilibrium problems with applications to networks |
| 51 | Particle methods and their applications |
| 52 | Mathematical Methods in Photoacoustic Tomography and Optical Coherence Tomography |
| 53 | Advanced Imaging for Industrial Application |
| 54 | Optimization and Optimization-based Control Methods for Industrial Applications |
| 58 | Modeling and Optimization of Interacting Particle Systems |
| 60 | Multiphysics simulations with industrial applications |
| 61 | Simulation Issues for Nanoelectronic Coupled Problems |
| 62 | Multiphysics simulation in electrical engineering |
| 63 | Current challenges in Computational Finance |
| 88 | Minisymposium: Mathematics in Nanotechnology |
| 260 | Ab-initio based Kinetic and Transport Models |