



# ECMI 2014

The 18<sup>th</sup> European Conference on  
Mathematics for Industry

Taormina, Italy, June 9-13, 2014

<http://www.taosciences.it/ecmi2014/>  
[ecmi2014.taormina@gmail.com](mailto:ecmi2014.taormina@gmail.com)

## CALL FOR PAPERS AND MINISYMPOSIA

### Plenary Speakers

Claudio Albanese - Global Valuation Limited, UK  
Pascal Bolcato - Mentor Graphics, Grenoble, France  
Manuel Castro - University of Malaga, Spain  
Andrea Ferrari - Cambridge University, UK  
Jörg Kienitz - Quantitative Analysis, Germany  
Philip Maini - Oxford University, UK  
Sylvie Méléard - École Polytechnique, France  
Alfio Quarteroni - EPFL, Lausanne, Switzerland  
Peter Smereka - University of Michigan, USA  
Dragica Vasileska - Arizona State University, USA  
Benedetto Vigna - ST Microelectronics

### Scientific Committee

Giovanni Russo (chair, Catania)  
Wil Schilders (co-chair, The Netherlands)  
Michiel Bertsch (IAC, CNR, Italy)  
Stephen O'Brien (Ireland)  
J. Antonio Carrillo (Imperial College)  
Maria Esteban (EMS, France)  
István Faragó (Eötvös Loránd University)  
Fabrizio Ferrucci (IPGP, Paris)  
Magnus Fontes (Lund University)  
Michael Guenther (Wuppertal University)  
Nataša Krejić (Univ. of Novi Sad, Serbia)  
Nicole Marheineke (Erlangen, Germany)  
Carmelo Papa (STMicroelectronics)  
Vittorio Romano (University of Catania)  
Andreas Schuppert (RWTH Aachen)

### Organizing Committee

Giuseppe Nicosia (chair) - University of Catania, Italy  
Vincenzo Capasso - University of Milano, Italy  
Gilda Currenti - INGV, Catania, Italy  
Orazio Muscato - University of Catania, Italy  
Sebastiano Boscarino - University of Catania, Italy  
Rosa Maria Pidotella - University of Catania, Italy  
Vittorio Romano - University of Catania, Italy  
Giovanni Russo - University of Catania, Italy

### Important Dates

Mini-symposium Submission:	Dec 15, 2013
Notification:	Jan 30, 2014
Abstract submission:	Mar 30, 2014
Early Registration Deadline:	Apr 15, 2014
Conference dates	June 9-13, 2014

### Aims and Scope

The conference will focus on various aspects of industrial and applied mathematics, such as Aerospace, Information and Communication, Energy, Imaging, Biology and Biotechnology, Finance, Education. Specific topics will include, among others:

- Mathematical models in life science,
- Material science and semiconductors,
- Mathematical methods in environment,
- Design automation and industrial applications,
- Computational finance.

### Call for Mini-symposium proposals

At ECMI 2014 there will be several parallel mini-symposia on specific topics related to industrial mathematics. A mini-symposium normally consists of 4-6 short talks (30-20 min) connected with the specific subject. In order to submit a mini-symposium proposal, please provide the following information:

- Title of the minisymposium
- Name, affiliation and contact information of the organizer(s)
- Short description
- Motivation/Relevance to ECMI
- Tentative list of speakers
- Industrial participation (if available)

The final selection of mini-symposia will be based on scientific excellence, industrial relevance, impact on ECMI and quality of confirmed/proposed speakers.

The Mini-symposium proposal must be submitted through the ECMI EasyChair web page:

<https://www.easychair.org/conferences/?conf=ecmi2014>

no later than December 15, 2013.

The notification of acceptance will be given not later than January 15, 2014.

The volume of Proceedings, including accepted short papers and extended abstracts, will be published by Springer in an electronic version available online, as part of the ECMI book subseries of Mathematics in Industry with its own regular ISBN

<http://www.springer.com/series/4650?detailsPage>

Submission of extended full papers to the special issue ECMI 2014 of the Springer Journal of Mathematics in Industry is encouraged (see link below)

<http://www.springer.com/mathematics/applications/journal/13362>

The fifteen best papers will be published free of charge.

### Contributed talks and posters

In addition to minisymposia, individual contributed talks and posters are welcome. Whoever wants to contribute to a specific minisymposium will send an abstract to the organizer, who will later notify about acceptance of the presentation as oral or poster.