

General Information

Venue

Friedrich-Alexander University of Erlangen-Nürnberg
Cauerstrasse 11
91058 Erlangen, Germany

Dates

September 10, 2017
17:00–21:00
Icebreaker at the Orangery Erlangen

September 11–14, 2017
Scientific program

Conference Website
www.siam-gs17.de



Organizing Committee Co-Chairs

- Jörn Behrens, University of Hamburg, Germany
- Katherine Evans, Oak Ridge National Laboratory, USA
- Rainer Helmig, University of Stuttgart, Germany
- Peter Knabner, University of Erlangen-Nürnberg, Germany

General Information

Organizing Committee

- Hector Klie, Sanchez Oil & Gas Corporation, Houston, USA
- Mario Putti, University of Padova, Italy
- Beatrice Riviere, Rice University, Houston, USA
- Irina Tezaur, Sandia National Laboratories, Livermore, USA
- Karl Gerald van den Boogaart, Technical University of Freiberg, Germany
- Beth Wingate, University of Exeter, United Kingdom
- Barbara Wohlmuth, Technical University of Munich, Germany

Local Organizer

- Alexander Prechtel, University of Erlangen-Nürnberg, Germany

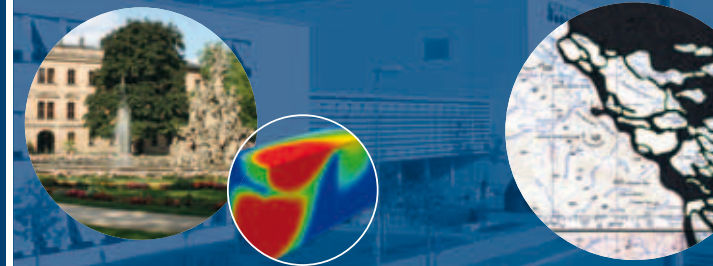
Professional Conference Organizer

Conventus Congressmanagement & Marketing GmbH
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SIAM Conference on Mathematical and Computational Issues in the Geosciences 2017

September 11–14, 2017
Erlangen (Germany)



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Department
MATHEMATIK

siam
Society for Applied and Industrial Mathematics



www.siam-gs17.de

Scope of the Conference

Ranging from science to public policy, there is a growing need for advanced modeling and simulation and their application in various fields of the geosciences. These include renewable energies (e.g. thermal, wind), underground waste disposal and cleanup of hazardous waste, earthquake prediction, weather prediction, and global climate change, along with the well-established fields of petroleum exploration and recovery. In the interdisciplinary enterprise of modeling of such processes, mathematical modeling at appropriate scales is impossible without further developments in mathematical theory, probability and statistics, numerical approximations, and large-scale computational algorithms.

The conference has a long tradition in subsurface modeling as well as atmospheric/ocean/climate and general hydrologic modeling. It aims to facilitate communication between scientists of varying backgrounds facing similar issues in different fields and perspectives and provide a forum in which advances in parts of the larger modeling picture can become known to those working in other parts. In particular, this enables an enhanced exchange between various branches of applied mathematics with the geosciences, ensures the dissemination of appropriate tools and methods, and fosters useful fundamental research in applied mathematics. These kinds of interactions are needed for meaningful progress in understanding and predicting complex physical phenomena in the geosciences.

Call for Submissions

All submissions for minisymposia as well as abstracts for oral or poster presentations are to be submitted online via www.siam-gs17.de.

More detailed information regarding types of submission and guidelines are available on the conference website.

Topics

- Atmosphere/Climate/Weather Models
- Ocean/Estuarine/Nearshore Models
- Subsurface Models (Cryosphere, Hydrosphere, Lithosphere, Pedosphere)
- Applications
- Mathematical and Numerical Methods
- Model Data and Parameters

Invited Speakers

- Alexandre Ern, ParisTech, France
- Christiane Jablonowski, University of Michigan, USA
- Malgorzata Peszynska, Oregon State University, USA
- Siegfried Raasch, University of Hannover, Germany
- Hamdi Tchelepi, Stanford University, USA
- Nils Wedi, ECMWF, United Kingdom

Important Dates

Submission Deadlines

February 13	Minisymposium Proposal Submissions
March 10	Contributed Lecture, Poster and Minisymposium Presentation Abstracts

Additional Deadlines

February 24	Siam Student Travel and Early Career Travel Award Applications
March 10	Travel Grant Application Deadlines

Registration Deadlines

July 21	Early Bird Registration Deadline
September 9	Regular Registration Deadline
from September 10	Onsite Registration

Registration Details

Online registration is available via www.siam-gs17.de.

	until July 21	until Sept 9	from Sept 10
SIAG GS member	320 EUR	400 EUR	450 EUR
SIAM member	330 EUR	410 EUR	460 EUR
Non-Member	450 EUR	530 EUR	580 EUR
Speaker/Organizer	390 EUR	470 EUR	520 EUR
Student	130 EUR	150 EUR	170 EUR
Dayticket	230 EUR	260 EUR	300 EUR