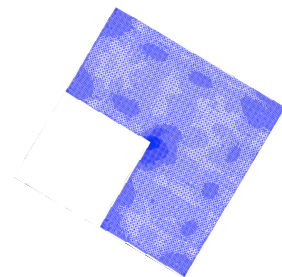


Workshop

Direct and Inverse Problems for PDEs with Random Coefficients

November 9–13, 2015, WIAS Berlin



OBJECTIVES

Validated predictive computations in a wide range of scientific and engineering applications require some form of uncertainty quantification. This workshop focuses on different applications, the analysis and numerical treatment of PDEs with stochastic data. This includes but is not limited to

- efficient numerical methods for the direct (forward) problem, in particular spectral and sampling approaches
- control problems with uncertainties
- sparse and low-rank tensor representations
- inverse problems with random data, in particular methods based on Bayesian inference.

The workshop aims at bringing together scientists working in related fields to discuss new results and challenges.

INVITED SPEAKERS (CONFIRMED)

Mario Annunziato (Università degli Studi di Salerno)
Markus Bachmayr (Université Pierre et Marie Curie Paris)
Oliver Ernst (TU Chemnitz)
Mike Espig (RWTH Aachen University)
Hanno Gottschalk (University of Wuppertal)
Lars Grasedyck (RWTH Aachen University)
Max Gunzburger (Florida State University)
Helmut Harbrecht (University of Basel)
Matthias Heinkenschloss (Rice University, Houston)
Angela Kuno (University of Cologne)
Olivier Le Maître (LIMSI-CNRS, Orsay)
Shuai Lu (Fudan University, Shanghai)
Hermann G. Matthies (TU Braunschweig)
Anthony Nouy (Ecole Centrale Nantes)
Tobias Preusser (Fraunhofer MEVIS, Bremen)
Robert Scheichl (University of Bath)
Claudia Schillings (University of Warwick)
Christoph Schwab (ETH Zurich)
Pierre Sochala (BRGM, Orleans)
Raul Tempone (KAUST, Thuwal)
Stefan Ulbrich (TU Darmstadt)

CALL FOR CONTRIBUTED TALKS

Please submit your abstract using the registration form before *August 30, 2015*. The final decision on acceptance will be notified by *September 5, 2015*.

REGISTRATION

You can register online using the link of the conference web page (see below).

Early bird registration fee
(until September 30, 2015): **75 €**

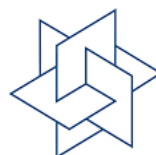
Late registration
(after September 30, 2015): **100 €**

Due to a limited number of seats in WIAS's lecture room the maximal number of participants for the workshop is restricted. Hence, we may not be able to accept all registrations.

ORGANIZERS

Martin Eigel (WIAS Berlin)
Dietmar Hömberg (WIAS Berlin)
Volker John (WIAS Berlin)
Reinhold Schneider (Technische Universität Berlin)

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Further information: <http://www.wias-berlin.de/workshops/uq15/>