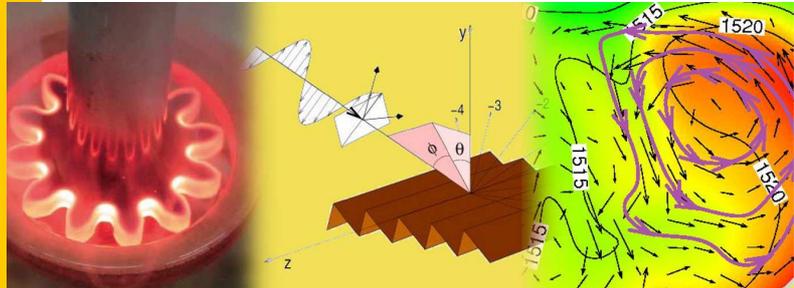


Electromagnetics — Modelling, Simulation, Control and Industrial Applications

May 13-17, 2013, WIAS Berlin



OBJECTIVES

This workshop (EMSCA) aims to provide an international forum for researchers working on electromagnetics — ranging through mathematical modeling, analytical methods, computational algorithms as well as multi-physics problems. The purpose of the workshop is to strengthen the collaboration link among mathematics, physics and engineering disciplines. The scientific scope and range of EMSCA includes (but is not restricted to):

- Finite and boundary element methods for Maxwell's equations;
- Analytic theories and methods;
- Optimal control and model reduction;
- Multifrequency induction hardening;
- Diffractive optics;
- Direct and inverse electromagnetic scattering problems;
- Electromagnetics in complex and random environments.

INVITED SPEAKERS (CONFIRMED)

- Habib Ammari (Ecole Normale Supérieure, France)
- Gang Bao (Michigan State University, USA)
- Pierre-Étienne Druet (WIAS Berlin, Germany)
- Martin Costabel (Université de Rennes 1, France)
- Hermann Gross (PTB Berlin, Germany)
- Houssem Haddar (Ecole Polytechnique, Palaiseau, France)
- Bastian von Harrach (University of Würzburg, Germany)
- Ralf Hiptmair (ETH Zurich, Switzerland)
- Thorsten Hohage (University of Göttingen, Germany)
- Patrick Joly (INRIA, Le Chesnay, France)
- Bernd Kleemann (Carl Zeiss AG, Oberkochen, Germany)
- Ulrich Langer (University of Linz, Austria)
- Günter Leugering (Universität Erlangen-Nürnberg, Germany)
- Peter Monk (University of Delaware, Newark, USA)
- Serge Nicaise (University of Valenciennes, France)
- Ilaria Perugia (University of Pavia, Italy)
- Roland Potthast (University of Reading, UK)
- Elisabetta Rocca (University of Milan, Italy)
- Peter Rudolph (Crystal Technology Consulting, Germany)
- Frank Schmidt (Zuse Institute Berlin, Germany)
- Gunther Schmidt (WIAS Berlin, Germany)
- Joachim Schöberl (Vienna University of Technology, Austria)
- Simon Stingelin (Endress+Hauser Flowtec AG, Switzerland)
- Paul Urbach (Delft University of Technology, Netherlands)
- Alberto Valli (University of Trento, Italy)
- Irwin Yousept (Technische Universität Darmstadt, Germany)
- Jean-Paul Zolesio (INLN – CNRS, Valbonne, France)
- Jun Zou (The Chinese University of Hong Kong)

CALL FOR CONTRIBUTED TALKS

Please send us your abstract (maximum one page) before *February 28, 2013*, or submit it when registering. The final decision on acceptance will be notified by *March 31, 2013*.

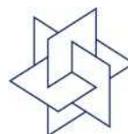
REGISTRATION

You can register online using the link of the conference web page (see below) before *March 15, 2013*. The registration fee is 50 Euro. 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. The final decision for participation will be notified by *March 31, 2013*.

ORGANIZERS

- Dietmar Hömberg (WIAS Berlin)
- Ronald H.W. Hoppe (University of Augsburg/Houston)
- Olaf Klein (WIAS Berlin)
- Jürgen Sprekels (WIAS Berlin)
- Fredi Tröltzsch (Technische Universität Berlin)

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Further information: <http://www.wias-berlin.de/workshops/IFIP-EMSCA2013/>