



PHOTONIC NANOMATERIALS: PhoNa

International Workshop, March 24/25, 2010, Jena, Germany

Scope

Recently, an advanced research initiative on Photonic Nanomaterials (PhoNa) led by the Friedrich-Schiller-Universität Jena has succeeded in a highly competitive call of the German Federal Ministry of Education and Research for excellence in research and innovation. As a result, a focused research program on Photonic Nanomaterials will be established, starting in 2010. This joined effort gathers a number of leading German research institutions from the Max-Planck-Gesellschaft, the Helmholtz-Gemeinschaft, and the Fraunhofer-Gesellschaft together with partners from Germany's photonics industry. The PhoNa consortium will conduct research on a broad spectrum of linear and nonlinear Photonic Nanomaterials, as e.g. metamaterials, photonic crystals, diffractive structures, and their application. For the upcoming five years, this program will secure major funding for this field of research, which is understood to be essential to assure progress in optics and photonics.

As a part of the commencement of this project, the PhoNa consortium organizes an international workshop on Photonic Nanomaterials on March 24 and 25, 2010 in Jena, Germany. The workshop will bring together renowned international scientists from the fields of nano-optics, plasmonics, nanofabrication, nano-chemistry, and theoretical methods in electrodynamics, to discuss future perspectives of Photonic Nanomaterials. The aim is to recognize the main streams of research in this scientific area and to identify particular challenges for applications as well as for fundamental science.

Confirmed Invited Speakers

Michael Bockstaller, Carnegie Mellon University, Pittsburgh, USA

Mark Brongersma, Stanford University, USA

Philippe Lalanne, Institut d'Optique, CNRS, Université Paris Sud, France

Olivier Martin, EPFL Swiss Federal Institute of Technology, Lausanne, Switzerland

Romain Quidant, Institut de Ciències Fotòniques (ICFO), Barcelona, Spain

Costas Soukoulis, Ames Laboratory and Department of Physics, Iowa State University, USA

Xiang Zhang, University of California at Berkeley, USA

Nikolay Zheludev, Optoelectronics Research Centre (ORC), University of Southampton, UK

Attendance

We encourage the submission of contributed papers/posters for the workshop. The submission deadline for contributions is March 1, 2010. Decisions about acceptance will be sent March 3, 2010.

Registration/Venue

The workshop is held in historical premises of the Friedrich-Schiller-Universität Jena, the "Rosensäle", just in the city center of Jena. The early bird registration deadline for participation in the workshop (150 Euro) is March 5, 2010. The on-site registration fee is 200 Euro.

Organizers

Falk Lederer, Thomas Pertsch, Carsten Rockstuhl, Ulrich S. Schubert
Friedrich-Schiller-Universität Jena

