

First call for papers

11th International Conference on Squeezed States and Uncertainty Relations

June 22-26, 2009, Olomouc, Czech Republic

The 11th International Conference on Squeezed States and Uncertainty Relations will be held at Palacký University in Olomouc, Czech Republic, in a beautiful historic building Konvikt during the week from June 22 to June 26, 2009. It will provide a forum for disseminating new results in quantum optics and discussing new ideas in the field. It is organized together with the 4th Feynman festival devoted to quantum information with the aim to emphasize the importance of quantum information for the development of quantum optics in the last years. Special section devoted to parametric down-conversion will also be organized.

The conference will be composed of invited review talks together with usual talks and posters.

Deadline for registration as well as deadline for regular registration fee is March 15, 2009. Registration can be done through conference web page at www.icssur09.upol.cz. Registration after the deadline is possible upon special request to the organizers. We would like to please you to reserve your accommodation early because of other events running in Olomouc at the conference time.

One page abstracts in plain text including author names, affiliations, and possibly list of references are welcome before March 15, 2009. Figures or tables are not expected. They can be submitted through conference web page at www.icssur09.upol.cz.

Conference proceedings will be published on CD-ROM and web. Contributions should be sent as a camera-ready pdf file to the conference e-mail address icssur2009@jointlab.upol.cz before June 30, 2009. The use of Physical Review format (pra, twocolumn option of revtex4 in Latex) is assumed.

More details can be found at conference web page at www.icssur09.upol.cz. There is also official e-mail address for the agenda of the conference: icssur2009@jointlab.upol.cz

Main topics:

1. coherent states and squeezed states, phase-space methods
2. continuous variables and quantum-information processing with continuous variables
3. photon pairs, their sources, properties, and applications
4. photon-number-resolving detectors, homodyne detection and other detection techniques
5. atom and molecular optics with emphasize to non-classical behavior
6. cavity QED
7. Bose-Einstein condensates
8. quantum propagation
9. photonic fibers and their nonlinear behavior
10. quantum computing, quantum memories
11. entanglement and decoherence
12. quantum cryptography

Confirmed invited speakers:

Anton Zeilinger, Universitat Wien, Austria
Gerhard Rempe, Max-Planck-Institut für Quantenoptik, Garching, Germany
Alessandra Andreoni, University of Insubria, Como, Italy
Konrad Banaszek, Institut of Physics, Nicolaus Kopernicus University, Torun, Poland
Robert Boyd, Institute of Optics, Rochester, USA
Marco Genovese, L'Istituto Nazionale di Ricerca Metrologica, Torino, Italy
Boris Hage, Institut für Gravitationsphysik, Leibniz Universität, Hannover, Germany
Gerd Leuchs, University of Erlangen - Nurnberg, Germany
Luigi Lugiato, University of Insubria, Como, Italy
Eugene Polzik, Niels Bohr Institute, Copenhagen University, Denmark
Malvin Carl Teich, Boston University and Columbia University, U.S.A
Juan P. Torres, Institute of Photonic Sciences, Barcelona, Spain
Werner Vogel, Universitat Rostock, Germany
Ian Walmsley, Clarendon Laboratory, University of Oxford, U.K.

Program and Advisory Board:

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Malvin Carl Teich, Boston University, U.S.A.
Juan P. Torres, Institute of Photonic Sciences, Barcelona, Spain
Werner Vogel, Universität Rostock, Germany
Apostol Vourdas, University of Bradford, U.K.
Ian Walmsley, University of Oxford, U.K.

Dirk Gunnar Welsch, Friedrich-Schiller-Universität, Jena, Germany
Anton Zeilinger, Universität Wien, Austria

Miloslav Dušek, Department of Optics, Palacký University, Olomouc, Czech Republic
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Ondřej Haderka, Joint Laboratory of Optics of Palacký University and Institute of Physics AS
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