

# 11<sup>th</sup> International Conference on Squeezed States and Uncertainty Relations

## 4<sup>th</sup> Feynman festival

*June 22-26, 2009  
Olomouc, Czech Republic*

11<sup>th</sup> International Conference  
on Squeezed States and Uncertainty Relations

[www.icssur09.upol.cz](http://www.icssur09.upol.cz)

### Main topics:

- coherent states and squeezed states, phase-space methods
- continuous variables and quantum-information processing with continuous variables
- photon pairs, their sources, properties, and applications
- photon-number-resolving detectors, homodyne detection and other detection techniques
- atom and molecular optics with emphasize to non-classical behavior
- cavity QED
- Bose-Einstein condensates
- quantum propagation
- photonic fibers and their nonlinear behavior
- quantum computing, quantum memories
- entanglement and decoherence
- quantum cryptography

### Confirmed invited speakers:

Anton Zeilinger  
Gerhard Rempe  
Alessandra Andreoni  
Konrad Banaszek  
Robert Boyd  
Marco Genovese  
Boris Hage  
Gerd Leuchs  
Luigi Lugiato  
Eugene Polzik  
Malvin Carl Teich  
Juan P. Torres  
Werner Vogel  
Ian Walmsley

4<sup>th</sup> Feynman festival

[www.feynman09.upol.cz](http://www.feynman09.upol.cz)

### Main topics:

- quantum information theory
- quantum computing
- solid state quantum information processing
- foundations of quantum theory
- quantum entanglement and its applications
- quantum cryptography



### Confirmed invited speakers:

Antonio Acin  
Alexandre Blais  
Nicolas Cerf  
Jens Eisert  
Nicolas Gisin  
Peter Knight  
Renato Renner  
Alexander Retzker  
Valerio Scarani  
Harald Weinfurter  
Michael Wolf  
Mario Ziman

Both conferences will be held at Palacký University in Olomouc, Czech Republic, in a beautiful historic building Konvikt. Deadline for registration as well as deadline for regular registration fee is **March 15, 2009**. Registration can be done through conference web pages. One page abstracts in plain text including author names, affiliations, and possibly list of references are welcome before March 15, 2009. 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 addresses [icssur2009@jointlab.upol.cz](mailto:icssur2009@jointlab.upol.cz) or [feynman2009@jointlab.upol.cz](mailto:feynman2009@jointlab.upol.cz) before June 30, 2009.