



# CEWQO 2008

## 15<sup>th</sup> Central European Workshop on Quantum Optics 2008

*Belgrade, Serbia, 30 May - 03 June 2008*

CEWQO 2008 should be a continuation of a successful series of yearly meetings, bringing together leading scientists and young researchers in quantum optics and related areas. Recent workshops in this series took place in Vienna ([www.ati.ac.at/~neutropt/cewqo2006/](http://www.ati.ac.at/~neutropt/cewqo2006/)) and Palermo ([www.fisica.unipa.it/~cewqo2007/](http://www.fisica.unipa.it/~cewqo2007/))

### Main topics

- \* Fundamental aspects of quantum optics and quantum mechanics
- \* Single photons and photon pairs
- \* Cavity and circuit QED
- \* Atoms in intense fields
- \* Neutron, atom and molecular quantum optics
- \* Quantum gases and fluids
- \* Coherence, entanglement and decoherence
- \* Optical properties of condensed matter and nanostructures
- \* Open quantum systems and chaos
- \* Quantum information processing

### Invited speakers

- |                                  |                             |
|----------------------------------|-----------------------------|
| Jacques Baudon (Paris)           | Luigi Moi (Siena)           |
| Uwe Becker (Berlin)              | Anna Napoli (Palermo)       |
| Marco Bellini (Florence)         | Saverio Pascazio (Bari)     |
| Caslav Brukner (Vienna)          | Helmut Rauch (Vienna)       |
| Martial Ducloy (Paris)           | Hrvoje Skenderović (Zagreb) |
| Wojciech Gawlik (Krakow)         | Christoph Salomon (Paris)   |
| Markus Hennrich (Innsbruck)      | Ryszard Tanas (Poznan)      |
| Tamas Kiss (Budapest)            | Werner Vogel (Rostock)      |
| Natalija Korolkova (St. Andrews) | Vladan Vuletić (Cambridge)  |
| Margarita Man'ko (Moscow)        | Mario Ziman (Bratislava)    |
| Vladimir Man'ko (Moscow)         | Philip Walther (Cambridge)  |
| Paulina Marian (Bucharest)       | Antoine Weis (Fribourg)     |

### Advisory board

V. Buzek (Slovakia), S. Cvejanović (Croatia), V. Dodonov (Brazil), M. Ducloy (France), Z. Hradil (Czech Republic), J. Janszky (Hungary), N. Konjević (Serbia), U. Leonhardt (UK), M. Man'ko (Russia), A. Messina (Italy), P. Marian (Romania), S. Pascazio (Italy), A. Ramsak (Slovenia), H. Rauch (Austria), R. Tanas (Poland), N. Vitanov (Bulgaria), W. Vogel (Germany), L. Vučković (USA).

### Venue

SANU and University of Belgrade, Rectorate

#### Organizer



*Institute of Physics  
University of Belgrade*

#### Co-organizer



*SANU  
Serbian Academy of  
Sciences and Arts*

### Organizing committee

M. Božić (chairperson), D. Arsenović (secretary), Z. Grujić (webmaster), N. Burić, M. Davidović, M. Dugić, R. Gajić, N. Konjević, V. Mihajlović, M. Mijailović, I. Savić, M. Tadić

<http://cewqo08.phy.bg.ac.yu>  
[cewqo08@phy.bg.ac.yu](mailto:cewqo08@phy.bg.ac.yu)  
Tel: (+381) 11 3713189 ;  
Fax: (+381) 11 3162190

#### Deadlines:

Registration and abstract submission: 30 March 2008  
Acceptance of contributions: 20 April 2008  
Support confirmation: 20 April 2008

A special issue of a refereed journal will collect papers from participants.

### Sponsors:



Ministry of Science of Serbia

Banca Intesa



European Physical Society



Serbian Physical Society

