



# 20th International Conference on Atomic Physics

16 - 21 JULY 2006

INNSBRUCK / AUSTRIA

## First circular

### GENERAL INFO

The 20th International Conference on Atomic Physics, **ICAP 2006** will be held from **July 16 to 21, 2006** in the heart of the Alps - **Innsbruck, Austria**. Following the tradition of ICAP, the Conference will present an outstanding program of invited speakers covering the most recent subjects in the field of atomic physics. There will also be poster sessions for contributed papers. **Topics include**

- Atomic tests of fundamental physics
- Laser spectroscopy, cooling and trapping
- Chip traps for atoms, ions and molecules
- Quantum optics and cavity QED with atoms
- Bose-Einstein condensates
- Fermi gases
- Cold molecules
- Atomic clocks
- Attosecond physics with atoms
- Atoms in optical lattices
- Quantum information processing with atoms and ions
- Artificial atoms

A **summer school** will be held in Innsbruck the week preceding the ICAP 2006 conference, focusing on AMO physics at the advanced graduate level. Confirmed **teachers** include: Ignacio Cirac, Hanspeter Helm, Paul Julienne, and Wolfgang Ketterle.

The **satellite workshop "Atomic Physics with trapped ions"** will take place immediately after the meeting.

### PROGRAM COMMITTEE

Alain Aspect, Joachim Burgdörfer, Nir Davidson, David DeMille, Wolfgang Ertmer, Tom Gallagher, Peter Hannaford, Wonho Jhe, Paul Julienne, Hitetoshi Katori, Jürgen Kluge, Maciej Lewenstein, Eugene Polzik, Gerhard Rempe, Christophe Salomon, Sandro Stringari, Vladan Vuletic, Ian Walmsley

**Chair: Rainer Blatt, Rudolf Grimm, Peter Zoller**, Institute for Experimental Physics, Institute for Theoretical Physics, University of Innsbruck *and* Institute for Quantum Optics and Quantum Information, Austrian Academy of Sciences  
**Local Organizing Committee:** Johannes Hecker Denschlag, Hartmut Häffner, Wolfgang Hänsel, Timo Körber, Hanns-Christoph Nägerl, Helmut Ritsch, Christian Roos, Piet Schmidt, Florian Schreck

### INVITED SPEAKERS

Paul Corkum · Eric Cornell · John Doyle  
Tilman Esslinger · Wolfgang Ketterle  
Misha Lukin · Jakob Reichel · David Wineland  
Jun Ye ...*and others*

### IMPORTANT DATES

IUPAP support application end .. 1.3.2006  
Early registration end ..... 1.4.2006  
Abstract submission deadline .... 1.6.2006  
Preconference registration end .. 15.6.2006  
Postdeadline submission end .... 7.7.2006

ICAP Summer School ..... 9.7.-14.7.2006  
ICAP ..... 16.7.-21.7.2006  
Satellite Workshop ..... 23.7.-24.7.2006

### FEES

	Early (until 1.4.)	Regular (until 15.6.)	On-site (16.7-21.7)
ICAP (Full)	€ 350	€ 400	€ 450
ICAP (Student)	€ 230	€ 280	€ 330
ICAP + Summer School (Student)	€ 330	€ 400	not possible
Satellite workshop	€ 100	€ 120	€ 140

### CONTACT

Please refer to the conference web site **www.icap2006.at** for registration and housing options. We recommend booking accomodations as soon as possible since space is limited. For general inquiries please use the conference email address **icap06@uibk.ac.at**. ICAP 2006 will take place at the **Congress Innsbruck**, Rennweg 3 ,6020 Innsbruck, Austria.

To secure IUPAP sponsorship, the organizers have provided assurance that ICAP 2006 will be conducted in accordance with IUPAP principles as stated in the ICSU-Documnt "Universality of Science" (sixth edition, 1989) regarding the free circulation of scientists for international purposes. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.