

First Circular

ICAP 2018 SUMMER SCHOOL Barcelona, July 16th – July 20th 2018

Dear Colleague,

This is the first circular with information concerning the **ICAP 2018 SUMMER SCHOOL** which will be held in Barcelona in July 2018, the week preceding the **26th International Conference on Atomic Physics (ICAP 2018)** conference. Both events are organized by ICFO, Universitat Autònoma de Barcelona (UAB), Universitat Politècnica de Catalunya (UPC) and the University of Barcelona (UB).

DATES

The lectures of the ICAP 2018 SUMMER SCHOOL will start **Monday July 16th 2018** at 9:00 and will end in the late afternoon **Friday July 20th 2018**.

VENUE

The **ICAP 2018 SUMMER SCHOOL** will be held at Facultat de Física i Facultat de Química of the Universitat de Barcelona (UB).

SCIENTIFIC PROGRAM

The school is organized around seven different topics and we are happy to announce that we have a fantastic list of confirmed lecturers:

- Atomic Quantum gases: **William Phillips**, National Institute of standards and technology, United States
- AMO Physics and topology: **Jean Dalibard**, Laboratoire Kastler Brossel, France
- Cold molecules and quantum chemistry: **Tanya Zelevinsky**, Columbia University, United States
- Quantum computing and quantum simulation: **Ignacio Cirac**, Max Plank Institute of Quantum Optics, Germany
- Quantum Nanophotonics: **Jeff Kimble**, Caltech, United States
- Quantum sensing and metrology: **Jun Ye**, JILA University of Colorado, United States
- Strongly correlated quantum systems: Theoretical approaches: **Jordi Boronat**, Universitat Politècnica de Catalunya, Spain

In addition to the lectures, the students will present their research in two poster sessions and a reduced number of them will be invited to give a short oral presentation in the "contributed talks" sessions.

APPLICATION

Applications to the school are done through the **ICAP SUMMER SCHOOL** webpage, the deadline for applying is the **15th March 2018**. The number of participants is limited to 100 and the selection process will be based on the CV of the applicant and the letter of reference from the supervisor.

All applicants are asked to provide:

- 1) An abstract of their contribution to the school
- 2) A short CV
- 3) A reference letter from the supervisor.

REGISTRATION

Upon acceptance (notified in **April 2018**), the applicant will be asked to formalize the registration to the school. The registration fee is 300€ (VAT included) and includes accommodation from 16th to 20th July, lunches, coffee breaks and a city tour.

VISA APPLICATION

If you need an invitation letter to obtain a visa to enter Spain, please choose the appropriate option on the registration website. The invitation letter will be sent to you once you have finalized the payment.

WEBPAGE

Further information about the school can be found at the **ICAP 2018 SUMMER SCHOOL webpage**,

<http://icap2018.eu/summer-school-2018/>

CONTACT

Should you have any question concerning **ICAP 2018 SUMMER SCHOOL** please email us to

summerschool@icap2018.eu

LOCAL ORGANIZING COMMITTEE

Maciej Lewenstein (chair), ICFO
Verònica Ahufinger (vice-chair), UAB
Bruno Julia-Diaz (vice-chair), UB
Antonio Acín, ICFO
Jens Biegert, ICFO
Darrick Chang, ICFO
Hugues de Riedmatten, ICFO
Jose Ignacio Latorre, UB
Ferran Mazzanti, UPC
Morgan Mitchell, ICFO
Artur Polls, UB
Anna Sanpera, UAB
Leticia Tarruell, ICFO

Looking forward to meeting you all in Barcelona,

Verònica, Bruno and Maciej, on behalf of the local organizing committee