

Conference on Frontiers in Two-Dimensional Quantum Systems



13 - 17 November 2017
Trieste, Italy

Further information:

Activity URL: <http://indico.ictp.it/event/8006/>

E-mail: smr3167@ictp.it

This conference will showcase the most recent progress in the experiments on two-dimensional quantum systems, including cold-atom setups and other condensed matter systems, as well as the theoretical and numerical techniques used in their study.

Description:

The program will include 25 to 30 oral presentations given by invited speakers, a poster session, and a limited number of short talks selected from contributed abstracts.

Call for abstracts:

In the application form, all applicants are invited to submit an abstract for a poster presentation. A limited number of contributed abstracts will be selected by the Organizing Committee for a short oral presentation.

Topics:

- Berezinskii-Kosterlitz-Thouless phase transitions
- Two-dimensional optical lattices
- Dipolar interactions
- Hubbard models and their implementation
- Exotic band structures
- BCS-BEC evolution in two-dimensions
- Metal-insulator transitions
- Disorder and Anderson localization
- Synthetic fields and spinor mixtures
- Layered superfluids and superconductors

Organizers:

E. GULL, University of Michigan, U.S.A.

M. KOEHL, University of Bonn, Germany

C. SA de MELO, Georgia Tech, U.S.A.

Local Organizers:

S. PILATI, University of Padova & ICTP, Trieste, Italy

A. TROMBETTONI, CNR & SISSA, Italy

Speakers include:

F. Becca, CNR-IOM & SISSA

G. Booth, King's College London

M. Capone, SISSA

C. Chin, University of Chicago

P. Corboz*, University of Amsterdam

J. Dalibard, Laboratoire Kastler Brossel

T. Enss, Universität Heidelberg

R. M. Fernandes, University of Minnesota

S. Gandolfi, Los Alamos National Laboratory

S. Giorgini, University of Trento

S. Jochim, Heidelberg University

C. Kollath, University of Bonn

H. Moritz, University of Hamburg

T. Paiva, Universidade Federal do Rio de Janeiro

P. Pieri, University of Camerino

N. Prokofev, University of Massachusetts

G. Roati, INO-CNR, LENS, Università di Firenze

G. Rohringer, Russian Quantum Center

I. Spielman*, University of Maryland & NIST

H. Terletska, University of Michigan

N. Trivedi, The Ohio State University

C. Vale, Swinburne University of Technology

S. Zhang*, The College of William and Mary

M. Zwerlein, MIT

* TO BE CONFIRMED

How to apply:

Online application:

<http://indico.ictp.it/event/8006/>

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

15 AUGUST 2017



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