

School on Interaction of Light with Cold Atoms

Instituto de Física Teórica - UNESP, São Paulo, Brasil

January 30 - February 10, 2017



This school is for masters, PhD, and exceptional undergraduate students, interested in fields related to light scattering, cold and ultra-cold matter, quantum information and quantum optics. Participants will be invited to give short talks and present posters on their research activities. *There is no registration fee and limited funds are available for travel and local expenses.*

Organizers: R. P. M. Bachelard (IFSC-USP), P. W. Courteille (IFSC-USP), R. Kaiser (Inst. Non Linéaire de Nice), R. F. Shiozaki (IFSC-USP & UFSCar), R. C. Teixeira (IFSC-USP & UFSCar)

Lecturers:

Luiz Davidovich (UFRJ, Brazil): *Quantum information with photons*
Jean-Michel Raimond (U. Pierre & Marie Curie, France): *Photons and Atoms*
James P. Shaffer (U. Oklahoma, USA): *Cold Rydberg systems*
Jook Walraven (U. Amsterdam, The Netherlands): *Quantum gases*
Christof Weitenberg (U. Hamburg, Germany): *Ultracold atoms in optical lattices*
Claus Zimmermann (U. Tübingen, Germany): *Cold molecules & Efimov physics*

Speakers:

Vanderlei S. Bagnato (IFSC-USP, Brazil)
Philippe W. Courteille (IFSC-USP, Brazil)
Alejandra Valencia (U. de los Andes, Colombia)
Emanuel A. L. Henn (IFSC-USP, Brazil)
Aldo P. D. Hidalgo (U. de Concepción, Chile)
Robin Kaiser (INLN – Nice, France)
Giacomo Roati (LENS – Florence, Italy)
José W. R. Tabosa (UFPE, Brazil)



ICTP-SAIFR Steering Committee:

Fernando Quevedo (chair)
ICTP director
Julio Cezar Durigan
UNESP rector
Carlos Brito Cruz
FAPESP scientific director
Jacob Palis
Brasil Acad. of Sci.
Juan Maldacena
Representing South America

ICTP-SAIFR Scientific Council:

Peter Goddard (chair)
IAS, Princeton
S. Randjbar-Daemi (coord.)
ICTP vice-director
Rogério Rosenfeld
IFT-UNESP director
Marcela Carena
Fermilab, Batavia
Marcel Clerc
Univ. de Chile, Santiago
Belita Koiller
UFRJ, Rio de Janeiro
Luis Lehner
Perimeter Inst., Waterloo
Gabriel Mindlin
Univ. de Buenos Aires
Matias Zaldarriaga
IAS, Princeton
Barton Zwiebach
MIT, Cambridge

ICTP-SAIFR Staff:

Nathan Berkovits
Director
Rogério Rosenfeld
Vice-director
Jandira Oliveira
Executive manager
Nadia Rosa Roque
Executive secretary
Lucas Sanches
Computer Systems manager
Lilia Faria
Financial manager

The registration deadline is November 25, 2016

The online registration form and more information can be found at:

www.ictp-saifr.org/atom2017