

Exact methods in low dimensional statistical physics

25 july 4 august 2017

Organizing committee

Jonathan Belletête, Bertrand Duplantier, Ivan Kostov, Vincent Pasquier, Hubert Saleur, Didina Serban (IPhT Saclay), Stéphane Ouvry (LPTMS Orsay)

Description

This school followed two previous summer schools held in Les Houches: "Topological Aspects of Low-Dimensional Systems" in 1998 and "Exact Methods in Low-Dimensional Statistical Physics and Quantum Computing" in 2008.

Its aim was to familiarize young theoretical and mathematical physicists with modern methods in conformal field theories, integrable systems, combinatorics and probabilities, and to present various subjects at the forefront of fundamental research in condensed matter theoretical physics and statistical mechanics at large.

The meeting gave an opportunity for physicists and mathematicians from different fields to exchange ideas and have a global perspective on front-line research.

The recent Nobel Prize Dubcan Haldane gave a public conference which attracted a large audience.

The web-site of the conference, containing the program, the list of speakers, the titles, abstracts and slides of the talks is found at the address <https://indico.in2p3.fr/event/14018/>

List of speakers:

Olalla Castro Alvaredo (City Univ.), Nicolas Curien (Orsay), Benjamin Doyon (King Collage), Jérôme Dubail (Nancy), Benoît Estienne (LPTHE), Rajesh Gopakumar (Bengalore), Duncan Haldane (Princeton), Rinat Kedem (Illinoi), Shota Komatsu (Perimeter), Alexey Litvinov (Landau), Sergei L. Lukyanov (Rutgers) , Jason P. Miller (Cambridge), Joel Moore (Berkeley), João Miguel Penedones (EPF Lausanne), Balázs Pozsgay (Budapest), Sylvain Prohac (Toulouse), Sylvain Ribault (IPhT), Raoul Santachiara (LPTMS), Volker Schomerus (DESY), Junichi Shiraishi (Tokyo) , Paulina Suchanek (Stanford).

Participation of Paris-Saclay University:

All the organisers, 3 speakers, 8 participants