

9th Bologna Workshop on:

CFT AND INTEGRABLE MODELS

and their applications to Quantum Field Theory, Statistical Mechanics and Condensed Matter Physics


Department of Physics and Astronomy of Bologna University (Italy)
September 15 - 18, 2014

The Workshop will be held at the Department of Physics and Astronomy of Bologna University (Italy), on **September 15 - 18, 2014** (inclusive). It is organized by the Bologna Theory Group under the auspices of the University and of Bologna Section of INFN. It is intended to promote the exchange of ideas at an advanced technical level among researchers working in this rapidly evolving field.


Topics:


- *Bulk and Boundary Conformal and Integrable Field Theory*
- *Integrability in gauge/string dualities*
- *Finite size effects, TBA, NLIE, TQ relations and their links to AdS/CFT*
- *N=2 superconformal gauge theories, Integrability and TBA*
- *Applications to Condensed Matter and Statistical Mechanics*
- *Conformal bootstrap in more than two dimensions*
- *Entanglement entropy in CFT and Integrable systems*

Invited speakers:

Murray Batchelor  (ANU, Canberra - Australia)

Paul Pearce  (Melbourne Univ. - Australia)

Alexander Belavin  (Landau Institute, Moscow - Russia)

German Sierra  (Univ. Autonoma Madrid - Spain)


Benjamin Doyon  (King's College, London - UK)

Roberto Tateo  (Torino Univ. - Italy)

Nikolay Gromov  (King's College, London - UK)

Robert Weston  (Herriot-Watt Univ, Edinburgh - UK)

Gregory Korchemsky  (CEA Saclay - France)

Konstantin Zarembo  (NORDITA, Stockholm - Sweden)

Giuseppe Mussardo  (SISSA, Trieste - Italy)

Besides a series of plenary talks (of approx. 1 h.), there will be room for a number of short communications of 30 min. (including final discussion) and a poster session. If you wish to participate, **please complete the application form at <http://cft-im.bo.infn.it/2014> before August 31, 2014**. On the same form you can also put your request to give a short communication if interested.

Unfortunately, due to a **very** limited budget we are not able to support travel, living and accommodation expenses for the participants. They should therefore be financially supported by their home institution. For the same reason, we are forced (and very sorry) to ask a contribution to the expenses of the organization in form of a **fee** (see the web page for details).

Chair: Francesco Ravanini (Bologna Univ.)

Scientific Board: Changrim Ahn (Ewha Univ., Seoul - Korea); Alexander Belavin (Landau Inst., Moscow - Russia); Diego Bombardelli (Bologna Univ. - Italy); Andrea Cappelli (INFN Firenze - Italy); Edward Corrigan (York Univ. - UK); Patrick Dorey (Durham Univ. - UK); Elisa Ercolessi (Bologna Univ. - Italy); Davide Fioravanti (INFN Bologna - Italy); Vladimir Kazakov (ENS Paris - France); Luis Miramontes (Santiago Univ. - Spain); Gabor Tákács (Budapest - Hungary);