



8th Bologna Workshop on:

CFT AND INTEGRABLE MODELS

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

Department of Physics of Bologna University (Italy)
September 12 - 15, 2011


The Workshop will be held at the Department of Physics of Bologna University (Italy), on **September 12 - 15, 2011** (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.


This 8th edition of the workshop will be the 3rd (after Moscow and Paris) dedicated to the memory of our friend and colleague **Alyosha Zamolodchikov**, one of the undisputed leaders of the developments of CFT and Integrability in the last decades.

Topics:

- *Bulk and Boundary Conformal and Integrable Field Theory*
- *Integrability in AdS/CFT dualities*
- *Finite size effects, TBA, NLIE, TQ relations and their links to AdS/CFT*
- *Liouville field theory and applications to N=2 super-Yang-Mills*
- *Applications to Condensed Matter and Statistical Mechanics*
- *Entanglement entropy in CFT and Integrable systems*


Invited speakers:

Changrim Ahn  (Ewha Univ. Seoul - Korea)


Alexander Belavin  (Landau Institute, Moscow - Russia)

Vladimir Bazhanov  (ANU, Canberra - Australia)

Filippo Colomo  (INFN Firenze - Italy)


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

Fabian Essler  (Oxford Univ. - UK)

Vladimir Fateev  (Montpellier Univ. - France) (*)


Fabio Franchini  (Sissa, Trieste - Italy)


Romuald Janik  (Krakow - Poland)

Michio Jimbo  (Tokyo Univ. - Japan)

Vladimir Kazakov  (ENS Paris - France)

Chaiho Rim  (Seoul - Korea)

Didina Serban  (CEA Saclay - France)

Arkady Tseytlin  (Imperial College, London - UK)

Paul Wiegmann  (Chicago Univ. - USA)

Alexander Zamolodchikov  (Rutgers - USA)

Besides a series of plenary talks (of approx. 50 min.), there will be room for a number of short communications of 25 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/2011> before August 11, 2011**. 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); Andrea Cappelli (INFN Firenze - Italy); 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); Lazlo Palla (Eotvos, Budapest - Hungary); Eric Ragoucy (LAPTH Annecy - France); Roberto Tateo (Torino Univ. - Italy); Alexander Zamolodchikov (Rutgers Univ. - USA)