WINTER PHD SCHOOL ON

STATISTICAL FIELD THEORIES

The Galileo Galilei Institute for Theoretical Physics
Arcetri, Firenze

February 4-15, 2019

Organizers: D. Bernard, P. Calabrese, A. Cappelli, F. Colomo, F. Essler, G. Mussardo

The school will offer postgraduate lectures on topics of low-dimensional quantum field theory, conformal field theory and integrable systems, together with the applications to statistical mechanics and condensed matter systems. Introductory subjects as well as recent advances will be covered.

The school can admit up to forty participants. Accommodation for two weeks in twin rooms will be provided for a total price of about 400 €. Financial support to accommodation expenses may be provided, upon request, to about thirty participants.

The courses will be officially part of the Italian Ph.D. training program for the universities that have joined the initiative. For this purpose there will be the possibility of a final exam with the lecturers.

Lecturers

B, Bertini (University of Ljubljana): "Transport in closed one-dimensional systems"

J. Dubail (Université de Lorraine, Nancy): "CFT curved-space approach to inhomogeneous systems"

T. Giamarchi (Université de Genève): "Tomonaga-Luttinger liquids: from field theory to experimental realisations"

G. Santoro (SISSA, Trieste): "Floquet physics and applications to non-equilibrium quantum systems"

F. Verstraete (University of Gent): "Statistical Physics in the language of tensor networks"

Deadline of application: November 15, 2018

Web-page: http://theory.fi.infn.it/SFTschool/, http://www.ggi.infn.it/