3-7 June 2024

WORKSHOP

Aula Dini
Via del Castelletto
Scuola Normale Superiore
PISA

SCIENTIFIC COMMITTEE:
Gordana Matić
University of Georgia at Athens
Tom Mrowka
MIT
Peter Ozsváth
Princeton

ORGANIZERS:
Paolo Aceto
Université de Lille
Paolo Ghiggini
Université Grenoble Alpes
Ana G. Lecuona
University of Glasgow
Francesco Lin
Columbia University
Bruno Martelli
Università di Pisa

INFO
Centro di Ricerca Matematica
Ennio De Giorgi
Palazzo Puteano
Piazza dei Cavalieri, 3 - PISA
crm@sns.it

COMBINATORIAL AND GAUGE THEORETICAL METHODS IN LOW DIMENSIONAL TOPOLOGY AND GEOMETRY

The fascinating world of 4-dimensional topology has produced incredible results in the last 30 years. There is a stream of big breakthroughs which include the solution of Thom's conjecture, the triangulation conjecture and the lightbulb theorem to name a few. Moreover, very fundamental questions, like the smooth Poincaré conjecture in dimension 4 or the existence of fake complex projective planes are still wide open.

CONFIRMED SPEAKERS:

ANTONIO ALFIERI
CRM-ISM

AKRAM ALISHAHI
University of Georgia at Athens

AGNESE BARBENSI
University of Queensland

DANIELE CELORIA
University of Queensland

MARCO GOLLA
Nantes Université

SIDDHI KRISHNA
Columbia University

FRANCESCO LIN
Columbia University

BRUNO MARTELLI
Università di Pisa

GORDANA MATIĆ
University of Georgia at Athens

ALICE MERZ
Université de Lille

BRENDAN OWENS
University of Glasgow

JUNGHWAN PARK
Korea Advanced Institute
of Science and Technology

STEVEN SIVEK
Imperial College London

LAURA STARKSTON
University of California
at Davis

ANDRÁS STIPSICZ
Alfréd Rényi Institute
of Mathematics

ANDY WAND
University of Glasgow

LUYA WANG
Stanford University

WEB SITE: *http://www.crm.sns.it/event/519/*

Please note that for organizational purposes, registration is mandatory.