

27-28 November
2023
WORKSHOP

Aula Dini

Piazza del Castelletto
Scuola Normale Superiore,
Pisa

ORGANIZERS:

Luigi Caputi
Università di Torino

Carlo Collari
Università di Pisa

Paolo Lisca
Università di Pisa

COMBINATORIAL ALGEBRAIC TOPOLOGY AND APPLICATIONS

Directed graphs and simplicial complexes are ubiquitous objects in Mathematics and Science in general. Due to their simplicity and flexibility they find application in a wide range of fields: Physics, Computer Sciences, Biology, Neuroscience, Medicine, etc., encompassing and embracing most scientific domains. Extracting topological and combinatorial information is, therefore, not only interesting, but also particularly important from different perspectives.

The workshop “Combinatorial algebraic topology and applications” concerns various topics in combinatorics and algebraic topology, as well as their applications to different fields, eg. data analysis, neural sciences and economics.

CONFIRMED SPEAKERS:

LEÓ BÉNARD
Université de Aix-Marseille

CELESTE DAMIANI
Istituto Italiano di Tecnologia

IRAKLI PATCHKORIA
University of Aberdeen

SIMONA SETTEPANELLA
Università di Torino

JASON P. SMITH
Nottingham Trent University

PAOLO SALVATORE
Università di Roma Tor Vergata

VIOLA SICONOLFI
Politecnico di Bari

JONATHAN SPREER
University of Sydney/TU Berlin

Web site: <http://www.crm.sns.it/event/523/index.html#title>

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

