

Trieste Algebraic Geometry Summer School (TAGSS) 2024 - Tropical Geometry and Related Topics

DESCRIPTION:

The Trieste Algebraic Geometry Summer School (TAGSS) will focus in 2024 on Tropical Geometry which translates Algebraic Geometry into Combinatorics, turning varieties into polyhedral complexes. Tropical varieties retain a surprising amount of information about their classical counterparts.

MORE DETAILS:

Margarida MELO: Tropical moduli spaces of curves and Jacobians

- moduli space of curves and its Deligne-Mumford compactification
- tropical moduli spaces of stable curves
- universal Jacobians, classical and tropical
- compactifications of universal Jacobians

Marta PANIZZUT: Computing in tropical geometry

- computational tools to tropicalize varieties over valued fields
- examples of polyhedral computations
- curves and surfaces through tropical lenses
- connections to applied areas: statistics and physics

CONTRIBUTED TALKS:

Participants interested in giving a short communication are invited to submit an abstract.

SPEAKERS:

Margarida MELO, Università Roma Tre
Marta PANIZZUT, MPI Mathematics in the Sciences, Leipzig



2 - 6 September 2024



Trieste, Italy



Application and Deadlines:

31 March 2024

for applicants requesting financial and/or visa support and for submitting an abstract

31 May 2024

for all other applicants

DIRECTORS:

Valentina BEORCHIA, University of Trieste
Ada BORALEVI, Politecnico di Torino
Barbara FANTECHI, SISSA

LOCAL ORGANISER:

Alina MARIAN, ICTP & Northeastern University

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

FURTHER INFORMATION:



E-mail: smr3965@ictp.it

Web: <https://indico.ictp.it/event/10503/>

Female scientists are encouraged to apply.

