

# EMS-IAMP Summer School in Mathematical Physics

## Universality in Probability Theory and Statistical Mechanics

Ischia, 11-15 June 2018



### Lecturers

László Erdős (IST Vienna)

Ron Peled (Tel Aviv University)

Fabio Toninelli (Université Lyon 1)

Yvan Velenik (Université de Genève)

Four graduate-level courses, intended for PhD students, postdocs and young researchers, will introduce several complementary techniques from probability and mathematical physics to understand different forms of **universality**, including:

- eigenvalue statistics of **random matrices**;
- large scale dynamics and fluctuations of **stochastic surfaces**;
- asymptotics of **spin correlations** in Ising and Potts models.

### Organizing committee

Serena Cenatiempo (GSSI), Alessandro Giuliani (Roma Tre),  
Rafael Greenblatt (Roma Tre), Domenico Monaco (Roma Tre)



### Webpage

<https://tinyurl.com/Ischia2018>

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