

# INSALATE DI MATEMATICA

presents

12/02/2025

MARCO BARBIERI

Università degli Studi di Pavia

## Permutations, algorithms, probability



## Abstract:

In this talk, we will explore how, over the past 70 years, the theory of finite permutation groups has been influenced by probabilistic approaches—with a particular focus on non-deterministic algorithms in computational group theory.

Keywords:

Permutation groups · Computational Group Theory · Product Replacement Algorithm

Dipartimento di Matematica e Applicazioni

Università degli Studi di Milano-Bicocca

U5-3014

04:30 pm (CET)



*"Obvious" is the most dangerous word in mathematics.  
(Eric Temple Bell)*