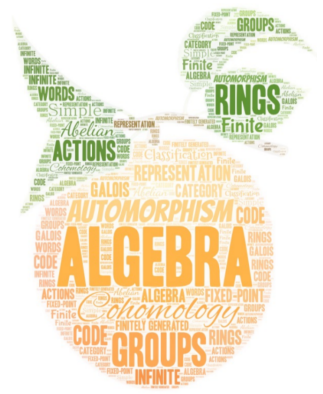


Al@Bicocca seminar

You are all welcome to the next bite of the series

“Al@Bicocca”

which is meant to give you a small taste of the
Algebra at Bicocca and beyond



8 October 2026

11.00 (CEST)

Francesco Fumagalli

Università di Firenze

On mixable groups

Abstract: A finite group G is said *mixable* if it admits a product $g_1^{\epsilon_1} g_2^{\epsilon_2} \dots g_k^{\epsilon_k}$, where $g_1, g_2, \dots, g_k$ are fixed elements of G and $\epsilon_1, \epsilon_2, \dots, \epsilon_k$ are independent Bernoulli random variables, that is distributed uniformly on G . It is conjectured that the mixable groups are precisely the groups having no odd order quotients. We prove that this conjecture is true in the case of solvable groups and in some other context. This is a joint work with Martino Garonzi and Attila Maróti.

Online venue: Webex

University of Milano-Bicocca

Via Bicocca degli

Arcimboldi, 8

Edificio CIVITAS - ex U7

Milano (IT)

Aula U7-06

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Jessica Anzanello

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Ilaria Castellano

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