



POLITECNICO
DI TORINO



Dipartimento di
Scienze Matematiche
G. L. Lagrange

ECCELLENZA 2018 • 2022

Tuesday **December 03, 2019** at 15:00

Politecnico di Torino, DISMA, Aula Buzano (third floor)

Laura ARDITTI

PhD student at Politecnico di Torino

Graphicality and decomposition of games

Prof. Giacomo Como introduces the seminar.

Abstract

We consider graphical games as introduced by Kearns et al. (2001).

First we analyse the interaction of graphicality with a notion of strategic equivalence of games, providing a minimal complexity graphical description for games. Then we study the interplay between graphicality and the classical decomposition of games proposed by Candogan et al. (2011), characterizing the graphical properties of each part of the decomposition.

Biography

Laura Arditti obtained her Master Degree in 2018 in Mathematical Engineering with full marks cum laude at Politecnico di Torino. She is currently a PhD student at Politecnico di Torino under the supervision of Giacomo Como. Her research is on game theory, network systems and their interconnection, graphical game theory.

Save the date for the next event: **December 5, 2019**

More info on www.polito.it/disma-excellence