UNIVERSITÀ DI PARMA

DIPARTIMENTO DI SCIENZE MATEMATICHE, FISICHE E INFORMATICHE

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SEMINARIO BAT-MAT

CICLO DI SEMINARI BAT-MAT (Biscuits and Tea - Maths)

Prof. **Andrea Munaro**, ricercatore Dipartimento SMFI

Giovedì 27 aprile 2023, **ore 15:30**

Sala Riunioni, Plesso di Matematica

On graph width parameters

Tutti gli interessati sono invitati a partecipare

Organizzatori: Davide Addona, Paolo Baroni, Nicoletta Tardini

Abstract: *Solving a discrete optimization problem means seeking an optimal solution from finitely many options. Most discrete optimization problems are computationally hard. To overcome this, we may restrict the input and ask: Which input restrictions lead to efficient algorithms? The input is often described by a graph and knowing that this graph has small "width" is useful for designing efficient algorithms for many such problems. In this talk, I will provide a gentle overview on algorithmic and structural results related to graph width parameters. No previous knowledge of Graph Theory will be assumed.*

Alla fine del seminario verrà offerto un piccolo rinfresco in Common Room.