



A.D. 1308  
**unipg**

DIPARTIMENTO  
DI MATEMATICA E INFORMATICA

# Young researchers@DMI

V Workshop of the  
Department of Mathematics and Computer Science  
University of Perugia

8 February 2023, 11:00

Room A2 (Department of Mathematics and Computer Science)

## Program

- 11:00-11:15 Opening
- 11:15-11:40 F. Betti Sorbelli *Optimal and Heuristic Algorithms for Data Collection by Using an Energy- and Storage-Constrained Drone*
- 11:45-12:10 F. Di Patti *Stochastic Turing Patterns of Trichomes in Arabidopsis Leaves*
- 12:15-12:40 M. Timpanella *Algebraic curves and their applications*
- 12:45-13:10 A. Troiani *Parallel Markovian Algorithms and their application to combinatorial optimization*
- 15:00-15:25 M. Cantarini *Approximations, integral transforms, convergence, error control*
- 15:30-15:55 V. Franzoni *Artificial Intelligence and Emotion Recognition: saving pain*
- 16:00-16:25 F.A. Rossi *Einstein Pseudo-Riemannian metrics on Solvable Lie Groups*
- 16:30 Closing

## Organizing Committee

Laura Angeloni  
Daniele Bartoli  
Nicola Ciccoli  
Francesca Di Patti  
Alfredo Milani  
Alfredo Navarra  
Enzo Vitillaro