Invitation to the Oral Examination – Department MATH

For the occasion of her examination for a Doctoral Degree,

Cristina Cipriani

will present her dissertation entitled

Optimization, Control and Learning of Multiagent Systems

on **27. November 2024** at **14:00 h**

Attendance to the presentation is open to the public. The presentation will be in English.

The candidate, all members of the Examination Committee, and authorized examiners of the TUM School of CIT are invited to the presentation and subsequent oral examination.

The presentation and subsequent examination will take place in room **00.10.011**

Examination committee:

Chair: **Prof. Oliver Junge**

First Examiner: **Prof. Massimo Fornasier**

Second Examiner: **Prof. Dante Kalise**

Third Examiner:

Munich/Garching, the **7** of **November 2024**

Mailing list:

Members of the examination committee

Doctoral candidate

Abstract:

This thesis provides an investigation of the optimization, control, and learning aspects of multiagent systems, spanning both microscopic and macroscopic perspectives. Theses concepts are applied to Machine learning by interpreting neural networks as dynamical systems and by studying supervised and robust learning problems.