Thursday, May 9, first floor, Aula Magna DEI

8.50-9.00 Opening

9.00-9.45 Marc Jurgers (CRAN, CNRS, Université de Lorraine, France), Historical perspectives of the Riccati equations: 300 years of history

9.50-10.35 Giulia Giordano (TU Delft), Control-theoretic tools for the structural analysis of biological systems

10.40-11.05 Coffee break, Sala Riunioni DEI D, I floor

11.10-11.35 Martino Bardi, Some results on Mean Field Games by the research group in Padova

11.40-12.05 Luca Zancato, Understanding the loss landscape of Deep Neural Networks

12.10-12.35 Monica Motta, Stabilizability in optimal control

12.40-13.05 Giulia Michieletto, The mathematics of actuation, decoupling, robustness properties for generically tilted multirotor platforms

13.10-14.25 Lunch, Sala Riunioni DEI D, I floor

14.30-14.55 Sandro Zampieri, Efficient data transmission over dynamical complex networks

15.00-15.25 Francesco Fassò, Motion planning and dynamics in relative periodic orbits

15.30-15.55 Nicola Bastianello, Operator Theory for Distributed Optimisation

16.00-16.25 Coffee break, Sala Riunioni DEI D, I floor

16.30-16.55 Marta Zoppello (University of Verona), Controllability and trajectory generation for the hydrodynamic Chaplygin sleigh

17.00-17.25 Nicola Sansonetto (University of Verona), DMP

17.30-17.55 Marco Fabris, On the relation between the eigenvalues induced by a class of circulant graphs and the Dirichlet kernel

18.00-18.25 Mattia Zorzi, A Scalable Strategy for the Identification of Latent-variable Graphical Models

18.30 End of talks
Friday, May 10, first floor, Room 1AD100 DM

9.00-9.45 Ming Cao (University of Groningen), *Analysis and Control of Network Dynamics for Evolutionary Matrix Games*

9.50-10.35 Michele Palladino (Gran Sasso Science Institute - GSSI), *Modeling the root growth: an optimal control approach*

10.40-11.05 **Coffee break**, Torre Archimede, VII floor

11.10-11.35 Giovanni Colombo, *Optimal control and state constraints: a model for a crawling robot*

11.40-12.05 Luca Schenato, *Control over wireless: an unfinished journey*

12.10-12.35 Franco Rampazzo, *On infimum gaps and abnormality*

12.40-13.05 Francesco Ticozzi *The whole from the parts: three inequivalent ways to obtain pure quantum states from local information.*

13.10-13.45 **Lunch**, Torre Archimede, VII floor

14.30-14.55 Irene Zorzan, *From single-cell to multi-cell systems space-time differentiation: a case study*

15.00-15.25 Francesco Rossi, *Control of the transport equation for crowds*

15.30-15.55 Matthias Pezzutto, *Reference Governor Control over wireless channels*

16.00-16.25 **Coffee break**, Torre Archimede, VII floor

16.30-16.55 Alessandro Chiuso, *Control-Oriented Learning*

17.00-17.25 Gianluigi Pillonetto, *Machine Learning for Linear System Identification*

17.30-17.55 Giorgia Callegaro, *Optimal reduction of public debt under partial observation of the economic growth*

18.00-18.25 Tiziano Vargiolu, *On the singular control of exchange rates*

18.30 **End of talks**