

Doctoral School

June 23-27, 2025 | Cassino (Italy)

Monday, June 23

- Stefano Buzzi (UNICAS/CNIT) – *Fundamentals of MIMO Communications* (3h)
- Constantinos Papadias (ACG-RC) – *Enabling technologies for next generation terrestrial and non-terrestrial networks* (1h)
- Social activity

Tuesday, June 24

- David Lopez Perez (Universitat Politecnica Valencia) – *A vision on commercial 6G: The cm-wave opportunity and the network energy efficiency challenge* (3h)
- Jukka Talvitie (TAU) – *Cellular/5G Positioning: Fundamentals and Recent Advances* (2h)

Wednesday, June 25

- Marco Lops (University of Naples Federico II/CNIT) – *Fundamentals of Radar Detection* (3h)
- Alessio Zappone (UNICAS/CNIT) – *Fundamentals of Optimization for Sensing and Communications* (3h)

Thursday, June 26

- Christos Masouros (UCL) – *Integrated Sensing and Communications: Signals, Cell Coordination and Security* (3h)
- Sergi Liesegang (Postdoc @UNICAS) – *Matlab-based Implementation of Optimization Problems* (2h)

Friday, June 27

- Giovanni Interdonato (UNICAS/CNIT) – *Introduction to Advanced Cell-Free MIMO Deployments* (3h)
- Harounabadi Mehdi (BOSCH) – *Status of V2X Communications in 3GPP* (2h)

Online Lectures (July 3 and 4)

- Henk Wymeersch (CHALMERS) – *Introduction to Estimation Theory* (2h + 2h)