Research topics – 41st cycle (2025-2028)

Thematic Area: Architecture

- **Topic:** Upcycling Architecture e progetto. Nuovi paradigmi per la qualità architettonica e urbana
  - **Tutor:** Gandolfi
  - **Funded by:** –
- **Topic:** *Un City Information Modeling (CIM) per la gestione dell'intervento sul costruito alla scala urbana*
  - **Tutor:** Zerbi
  - **Funded by:** –

Thematic Area: Infrastructures

- **Topic:** Artificial Intelligence support for efficient pavement management and maintenance planning
  - **Tutor:** Tebaldi-Romeo
  - **Funded by:** RER
- **Topic:** POSEIDON - Predictive and Operational System for Efficient Identification and Dynamic Observation of Floods under Climate Change Scenarios
  - **Tutor:** Vacondio
  - **Funded by:** RER
- **Topic:** OPUS - Optimisation of micropiles' design for the sustainable use of building materials
  - **Tutor:** Segalini
  - **Funded by:** 50% cofunded by VE.I.CO.PAL. S.r.l.
- **Topic:** Innovative and sustainable techniques for winter road and highway maintenance
  - **Tutor:** Autelitano
  - **Funded by:** –
- **Topic:** Environmental Sustainability in Transportation Infrastructures: High Content of Granulate Asphalt Reclaimed (GAR) in Open Graded Mixtures
  - **Tutor:** Montepara
  - **Funded by:** –
- **Topic:** Sustainable Mobility: Wireless Charging Technologies for Electric Vehicles and Road pavement technology
  - **Tutor:** Montepara
  - **Funded by:** –

Thematic Area: Structures

- **Topic:** Corrosion-Induced Damage and Residual Capacity Assessment of RC and PC Structures Using 3D Scanning and AI Techniques
    - **Tutor:** Belletti
    - **Funded by:** –