



PhD scholarships bound to specific research topics/areas:

6 scholarships bound to a specific research topic with a minimum of a study period abroad of at least 6 months pursuant to MD 360/2024 funded by the European Union – NextGenerationEU:

Research topic:

1. Development of numerical methods for evaluating the contribution of lubricant flow on bearing efficiency to enable sustainable bearings solutions (in collaboration with Schaeffler Technologies AG & Co, Supervisor prof. Franco Concli)
2. Cybersecurity of AI-generated systems (in collaboration with SIAG Informatica Alto Adige Spa, Supervisor prof. Barbara Russo)
3. Printable electronics for environmental monitoring (in collaboration with Fondazione Bruno Kessler, Supervisor prof. Luisa Petti)
4. Shared human-robot control of heavy-lift aerial cargo drones (in collaboration with FlyingBasket Srl, Supervisor prof. Karl Dietrich von Ellenrieder)
5. EEG-based annotation of image material (in collaboration with Covision Lab SCARL, Supervisor prof. Angelika Peer)
6. Development of Digital Twin Solutions of machinery virtual commissioning and predictive maintenance (in collaboration with Röchling Automotive Italia, Supervisor dr. Luca Gualtieri)