**SET**

**PhD scholarship bound to specific research topics/areas:**

5 scholarships with bound research topic and minimum 6-month study period abroad requirement pursuant to MD 117/2023 funded by PNRR:

Research topics:

1. Design and process-driven improvement of thermal management in aluminum die-casting manufacturing (in collaboration with Alupress spa, supervisori prof. Erwin Rauch/Franco Concli)

2. Development of a data-based sustainability performance measurement and monitoring for ERP in the precast concrete industry (in collaboration with Progress Software Development srl, supervisor prof. Erwin Rauch)

3. Thermal treatment of sewage sludge for a sustainable valorization through CRM (Critical Raw Materials) extraction (in collaboration with HBI srl supervisor prof. Marco Baratieri)

4. Sustainability-oriented optimization of modular and reconfigurable cyber-physical production systems (in collaboration with Frauenhofer Italia Research scarl, supervisor prof. Erwin Rauch)

5. Sustainability Scope 3 - Dynamic assessment model for sustainability and resilience along the supply chain (in collaboration with Intercable Automotive Solutions srl, supervisor prof. Erwin Rauch)