



NetCastPL4.0
- NETWORKING -

WORKSHOP ON LIGHTWEIGHT CASTINGS INNOVATION

JULY 03-04, 2025

**FACULTY OF FOUNDRY ENGINEERING
AGH UNIVERSITY OF KRAKOW,
CPP & WSK RZESZÓW**



PROJECT PARTNERS:



NETWORK PARTNERS:





JULY 03, 2025 | WORKSHOP AT COMPANY SITE / CPP, WSK RZESZÓW

09:00	15:00	Company Visit
		A) Superalloys at CPP (Jerzy Rozmund)
		B) Cast Iron at WSK Rzeszów (Władysław Jasiczek and Marcin Łagowski)
		C) Aluminium Alloys at at WSK Rzeszów (Władysław Jasiczek / Robert Jarosz)
		Green production processes: CPP, WSK Rzeszów
		Concept of lightweighting (Rafał Cygan)
		Ferrous and non-ferrous castings (Robert Jarosz and Marcin Łagowski)

JULY 04, 2025 SCIENCE, POLICY AND BUSINESS / AGH UNIVERSITY OF KRAKOW

09:00	10:30	Thermo-mechanical fatigue (Riccardo Donnini, CNR-ICMATE)
10:45	11:45	Creep properties of materials (Giuliano Angella, CNR-ICMATE)
12:00	13:00	STEM Without Limits: Advancing Inclusion & Equality (Monica Favaro, CNR-ICMATE)
Break		
14:30	15:15	Policy and Economic developments (Franco Zanardi, Zanardi Fonderie S.p.A.)

Lightweight castings innovation:
Green Processes in Foundry 4.0 Practice of
Light-Weight Castings

The European strategy toward reducing CO₂ emissions is leading to a growing demand for lightweighting across industries, especially these days for the automotive industry and electric vehicles. To reach these goals, development and use of materials that have a higher strength-to-weight ratio, while staying cost-efficient in production, compared to the ones currently used is a necessity.

Through NetCastPL4.0 Networking Pillar idea-camps at foundries with the participation of students and researchers stimulate interactions between the various actors in the foundry supply chain. These sessions aim to identify and analyse new initiatives in the production of thin sections, new industrial, commercial and professional mode.

The first workshop in the series: Lightweight castings innovation: Green Processes in Foundry 4.0 practice of Light-Weight Castings, brings people together at both company sites and at the AGH University of Krakow.

Companies Consolidated Precision Products and Zakład Metalurgiczny „WSK Rzeszów” Ltd., members of the NetCastPL4.0 Network of excellence will engage in cross-fertilization with academics, students and industries.

Targeted audience: phd students, postdocs, researchers and experts from work partners.



Registration