



School on Perspective & Business

June 25-26, 2026

AGH University of Krakow, Poland

Targeted audience: researchers and experts from network partners.

To REGISTER contact netcastpl40@agh.edu.pl or mgorny@agh.edu.pl

Green castings manufacturing is an objective that must be supported by excellent science and adopted by all foundries/industries with a view to reducing the environmental impact of product and production processes. With increasingly stringent environmental regulations, there is a growing need for efficient production planning models that consider the trade-off between technology return and environmental costs.

One of the key ideas of NetCastPL4.0 is knowledge exchange. Through the Knowledge Exchange Pillar actions, experts and partners reinforce human capital through training and cross-fertilization, implement skills and enhance the know-how, as well as create new professional skills.

The 2026 NetCastPL4.0 summer school focuses on 'Perspectives and Business' of green casting manufacturing.

The two-day school deals with the following topics

- **Fundamentals & Strategic Framework**
- **Future Horizons - Innovation, Business & Research Pathways**

Experts from the project partners and the wider network welcome you to the event.



Date: Thursday, 25th of June 2026

Location: AGH University of Krakow, Poland, Reymonta 23, room 006

Day 1 Fundamentals & Strategic Framework

09:00 – 09:10 Welcome & Agenda of the School

09:10 – 10:00 Life Cycle Assessment (LCA) – Theory, Standards & Terminology (Stefania Fiameni - CNR-ICMATE)

10:00 – 10:10 Short break

10:10 – 11:00 LCA Tools & Databases for Metallurgy and Casting Industry (Stefania Fiameni - CNR-ICMATE)

11:00 – 11:10 Short break

11:10 – 11:45 Closed-Loop Economy in Metals – Extraction to End of life: Concepts, definitions and current European challenges (Kalle Jalava - Aalto University)

11:45 – 12:30 Foundry 4.0: Data and machine learning applied to casting processes (Nicola Gramegna – SINFONET)

12:30 – 13:30 Break (lunch)

13:30 – 14:00 Business Models for Circular Metallurgy: ‘Fastest Foundry’ concept (Ville Moilanen – Hetitec Oy)

14:00 – 14:45 Industrial discussion part 1: Strategic Drivers for Sustainability in Metallurgy & Processes



14:45 – 15:00	Coffee break
15:00 – 15:30	Design and manufacturing lessons - lightweight housing for a compressor (Krzysztof Skiba - DESMI Sp. z.o.o.)
15:30 – 16:15	Industrial discussion part 2: Industry Perspectives on Scrap Quality & Specifications
16:15	Conclusion of the day

Date: Friday, 26th of June 2026

Location: AGH University of Krakow, Poland, Reymonta 23, room 006

Day 2 Future Horizons - Innovation, Business & Research Pathways

09:00 – 10:00 Emerging Trends in Sustainable Materials & Lightweighting

Presentations from the NetCastPL4.0 team

10:00 – 10:10 Short break

10:10 – 11:00 The impact of European environmental regulations on the foundry sector: from the 2019 Green Deal to the present (Roberto Lanzani – ASSOFOND)

11:00 – 11:45 Investment & Financing Strategies for Circular Innovation (Philippe De Brouwer, Head of Model Risk Management Poland & Head Academic Partnerships Poland)

11:45 – 12:30 Scaling Research to Commercial Practice – Barriers & Solutions (Wojciech Roszczynialski - Centre for Cooperation and Technology Transfer, AGH Krakow)



12:30 – 13:30	Break (lunch)
13:30 – 14:15	Potential of AI in Industry and Business (Joanna Korjakowska -Center of Excellence in Artificial Intelligence, AGH Krakow)
14:15 – 15:00	Notified, Designated, Assessment Body for Structural Railway Subsystems including Independent Safety Assessment activities for railway systems or components with a Safety Integrity Level. ISALAB
15:00 – 15:15	Coffee break
15:15 – 15:45	AI for Non-Destructive Engineering (Gonçalo Sorger – Trueflaw)
15:45 – 16:15	Industrial discussion part 3: Vision 2035 – Research to Business, Circular Metallurgy & Foundry 4.0
16:15	Closure of the school
