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Newsletter - NetCastPL4.0

Project in Motion

Welcome to the April edition of our newsletter. In this issue, we summarize the NetCastPL4.0 project activities from November 2025 to April 2026 – a period marked by intensive international collaboration and the establishment of key partnerships.

Industry Leaders Meet at AGH University

A major highlight of recent months was the Network Partners Meeting, held on February 20, 2026, at the Faculty of Foundry Engineering, AGH University of Krakow.

- The meeting provided a platform for direct dialogue between senior management and experts from leading foundry companies.
- Participants focused on the practical aspects of implementing innovations and strategies for sustainable development.
- The debate confirmed the project's role as a vital link between academic research and industrial challenges within the Foundry 4.0 paradigm.





NetCastPL4.0 was present at ICCME 25

We would like to look back at the V International Conference of Casting and Materials Engineering (ICCME 25), held in Krakow on October 27-28, 2025.

- The project hosted a dedicated discussion panel titled “Lightweight innovations” and a networking session, “COFFEE with NetCastPL4.0”.
- The theme of “lightweight innovations for a better climate” attracted a wide range of specialists from Poland and abroad.



NetCastPL4.0 Project Conference organized in the frame of “WSPÓŁPRACA 2026” Conference

On April 20–22, 2026, the XXXII International Scientific Conference of Polish, Czech, and Slovak Foundrymen “WSPÓŁPRACA 2026” took place at the Sulisław Palace, Poland.

- This long-standing, cyclical event serves to integrate the scientific and industrial communities of three partner countries. This year the event gathered around 80 participants.
- Two dedicated NetCastPL4.0 scientific sessions were organized as part of the conference. Project Conference opening took place during regular scientific session of “WSPÓŁPRACA 2026” Conference enabling the broad dissemination of our goals & research results among all participants, including representatives from Czechia and Slovakia.

NetCastPL4.0 Seminar Series: Knowledge and Innovation



Our online seminar series continues to facilitate the exchange of technical expertise among international specialists:

- December 8, 2025: **Adrian Boccardo** (URJC, Spain) discussed the computational modeling of thermal processes, and **Kalle Jalava** (Aalto University, Finland) presented a market analysis of lightweight castings in Poland.
- January 20, 2026: **Rafał Cygan** (AGH / CPP Poland) outlined the microstructure of Ni-based superalloys for aerospace, while **Jan Marosz** (AGH University) presented research on ADI composites.

- February 26, 2026: **Dario Ripamonti** and **Riccardo Donnini** (CNR-ICMATE, Italy) explored the mechanisms of creep and fatigue in materials used in power generation and aeronautics.

Network Expansion: 35 European Partners



Other Project Activities



February 2026, Krakow

An open event at the Faculty of Foundry Engineering to promote the project's goals among students and the academic community.

December 2025, Milan

A Project Partners Meeting focused on setting strategic goals and work packages for 2026.

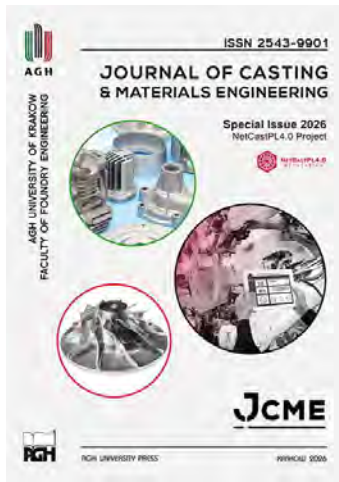


October 2025, Detroit

Presentation of the project's research findings at a major industry conference in the USA.



NetCastPL4.0 Special Issue for Journal



To increase dissemination of the project Special Issue for Journal will be published in Journal of Casting & Materials Engineering (JCME). The journal is a peer-reviewed, academic e-periodical devoted to issues in engineering processes and casting materials. The periodical is published as a quarterly in the open access system by the AGH University of Krakow. The JCME publishes original research articles, as well as reviews and theoretical articles. The mission of the periodical is to contribute to the development of knowledge and new scientific ideas in the field of engineering processes and casting materials.

Special Issue 2026 NetCastPL4.0 Project is open and the submission is available for authors till October 31, 2026. Among others, papers presented as part of the scientific panel of the project at the ICCME 25 conference and the Project Conference in the frame of the "WSPÓŁPRACA 2026" will be published in it.

NetCastPL4.0 Goes Digital

We invite you to subscribe to our YouTube channel, where we share video reports from events and highlights from our expert seminars.



What's Next?

We will soon announce the schedule for school, workshop and seminars planned for the second half of 2026. Stay updated by visiting our website and following our [LinkedIn profile](#).

Discover more and Get involved!



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Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie, Mickiewicza 30, 30-059, Krakow, Poland

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