

EuroCC Austria partners up with EIT Manufacturing

To support the use of artificial intelligence in the manufacturing industry, EuroCC Austria and the EIT Manufacturing Co-Location Centre East will provide training, educational content, and expertise tailored to the needs of manufacturing companies and their service providers.

Innovative products, automation, and optimisation — these are a few of many reasons to integrate digital technologies into manufacturing processes. Computer-aided engineering, like the simulation of prototypes with the help of high-performance computing (HPC), has a long tradition in manufacturing. With the industrial Internet of things, the production and products themselves are becoming large data sources that require application of big data analytics and artificial intelligence (AI). To help companies make use of HPC, AI and Big Data, EuroCC Austria and EIT Manufacturing will jointly facilitate knowledge transfer in this field.

Training and education

EuroCC Austria will contribute to diverse training programmes of EIT Manufacturing — mainly in the area of AI, and there are plans to expand to HPC in the future. The programme will include workshops and a series of short videos for self-paced learning with the aim to introduce the toolset and use cases of AI in manufacturing.

A special focus will be on Machine Learning (ML) applications that streamline data analytics and automate workflows to help save costs and time resources. For instance, manufacturing benefits greatly from computer vision: it advances quality control by detecting defective items on a production line, inspecting packaging, scanning barcodes and text labels. ML is also indispensable for high-performance data analytics — to detect changing scenarios and respond to them in real time, to make forecasts based on time series data, and better understand what's going on in the machine park. These and other AI tools help companies make informed business decisions and boost productivity.



*“Our partnership will ensure that the industry is up-to-date on the latest available technology. Digital transformation is a challenging process, and we are glad to be supporting the needs of the manufacturing sector together with such an excellent partner as Johannes Hunschofsky and his team,” states **Christoph Dellago**, project lead of EuroCC Austria.*

Johannes Hunschofsky (left), Christoph Dellago (right)
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Technical support

Through the partnership, manufacturing companies will also get support in the implementation of HPC, AI and Big Data technologies. *“We have a broad network and experience in successfully bringing our customers to the next level in the area of HPC, AI and Big Data. These topics are our core competence. The synergies with the network and the competencies of EIT Manufacturing are manifold and for the stakeholders interested in HPC/AI/Big Data in manufacturing it is a perfect match,”* says **Harald Grill**, Industry Relations Manager at EuroCC Austria.

EuroCC Austria and EIT Manufacturing are driven by the shared vision that it takes an interconnected network of experts across all fields of technology to secure sustainable industrial growth. Merging the expertise of EuroCC Austria with the industry know-how of EIT Manufacturing offers industry stakeholders a practical way to obtain comprehensive solutions they need.

“AI and High-Performance-Computing are hot topics in today’s manufacturing world. The cooperation with EuroCC Austria enriches our broad EIT Manufacturing network immensely and joining our forces will be of great benefit for our whole ecosystem. In the field of education and life-long-learning, we are planning on offering various high-quality trainings in the fields of High-Performance-Computing, Big Data and Artificial Intelligence,” says **Johannes Hunschofsky**, Managing Director of EIT Manufacturing CLC East.

Reach out

Companies are welcome to reach out with inquiries for workshops, training, or a consultation to both institutions.

EuroCC Austria - National Competence Centre for Supercomputing, Big Data and Artificial Intelligence

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