

IPEEC 2024

International Production Environmental Community

Catalyzing Change: Industry Transformation through AI and Circular Economy



International Conference
„Europe’s future production“

March 13, 2023 | Online

The International Production Environmental Community continues the European exchange of ideas and best practices at the Integrated Plant Engineering Conferences (IPEC), which has been held annually in Nuremberg since 2013.

With reference to the UN Sustainable Development Goals (e.g. 9, 12, 13), we will intensify the European dialogue with partner countries such as, Estonia, the Netherlands, Malta, Slovakia, Sweden in order to contribute to a more competitive and sustainable industry through digitalized solutions.

Agenda

09:30 Opening of the conference

09:35 Introduction and welcome

Dr. Ronald Künneth, Nuermberg Chamber of Commerce and Industry, Automation Valley Nordbayern

AI-driven Resource Efficiency | Sustainable Production Technologies | Circular Economy Strategies

09:40 AI for resource efficiency and enabling circular business models – showcasing industrial projects

Sara Fallahi, Director and Senior researcher Prototyping Society, RISE, Sweden

Tatjana Karpenja, Business developer Sustainability & Digitalisation, RISE, Sweden

10:00 AI-powered scrap control

Michael Schäfer, Head of Digitalization & AI, SHS - Stahl-Holding-Saar GmbH & Co.KG&A, Germany

Dr. Ulrike Faltings, AI Engineer, SHS - Stahl-Holding-Saar GmbH&Co.KG&A, Germany

10:20 Advancing Sustainable Electronics Recycling through AI-Powered Disassembly and Object Recognition

Albert Scheck, Research Associate, Institute for Factory Automation and Production Systems (FAPS) /

Friedrich-Alexander University Erlangen-Nuremberg, Germany

10:40 Creating a method towards a circular supplychain for metal spareparts in the European rail-infra sector

Koen Melis, Managing Director, CastLab BV, The Netherlands

11:00 **Decarbonising Production Processes, Products and Systems: A University of Malta Research Perspective**
Dr.-Ing. Paul Refalo, Senior Lecturer, Department of Industrial and Manufacturing Engineering, Faculty of Engineering, University of Malta, Malta

11:20 **Digital and sustainable transformation of the plastics industry – latest development and initiatives**
Jonathan Lambers, Senior Engineer/Scientist, Digitalization, SKZ - KFE gGmbH, Germany

11:40 till 12:30 Break time

Circular Business Models | Supply Chain Optimization | Policy and Regulatory Frameworks

12:30 **Protecting industrial device inner software helps extending its aftermarket lifecycle over different industrial/geographical/juridical regions**
Terry London, Product Owner, PROEKSPERT, Estonia

12:50 **Circular passport, a way to demonstration your efforts**
Hans van der Steen, Koninklijke Metaalunie, The Netherlands

13:10 **Closing of the conference & Introduction to Pitch Sessions**

Virtual Partnering Pitches

13:20 **Virtual Partnering Pitches**

To foster the dialogue between the participants we plan 8-10 partnering pitches (each 5 minutes) from participants looking for project partners.

2nd Day (March of 14, 2024) | Virtual Matchmaking

10:00 **Talk & Match:** Your time to schedule online meetings with other participants.

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18:00 All participants can create a competence profile during the registration process on the B2Match platform as guidance to arrange individual bilateral meetings (20 minutes).



Wir stehen Unternehmen zur Seite



Moderation by Dr. Dina Barbian,
CEO, eco2050 Institut für Nachhaltigkeit - Institute for Sustainability GmbH, Nuremberg; Spokeswoman Network Digitalization & Sustainability, VDE Association for Electrical, Electronic & Information Technologies Bavaria

Organizer



Nuernberg Chamber of Commerce and Industry, presented by President Dr. Armin Zitzmann and CEO Markus Löttsch (Hauptmarkt 25/27, 90403 Nürnberg).

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VDE BAYERN

Dr. Dina Barbian
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For questions concerning the International bilateral Meetings please contact:



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Participation

The conference is free of charge. The language is English.

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Supported by Partner Organizations:



Registration for the Conference:



Please register here:

<https://ipecc-2024.b2match.io/>

