

re.fact 25

Symposium on Innovation & Automation in

Remanufacturing

Umwelt-Campus Birkenfeld, Germany

17th- 18th September 2025

Onsite Event

Leading event on research and product development in circular economy.

Top Speaker



Jeffrey Stukenborg
Head of Portfolio Management After-
market for North America – ZF Group |
Immediate Past Chair – Remanufactur-
ing Industries Council (RIC)



Dr.-Ing. Daniel C. F. Köhler
Head of Research & Development |
Business Unit Truck & Trailer Compo-
nents



Dr. Hans-Henrik Westermann
Technology Services (MLRT)



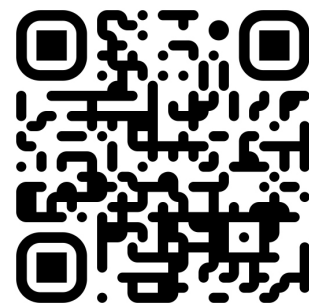
Prof. Dr.-Ing. Matthias Vette-
Steinkamp
Umwelt-Campus Birkenfeld



Key topics

- Trends in remanufacturing
- Circular economy from the suppliers' perspective
- Hands on technology
- Services for circular economy & remanufacturing
- ECO design/product design & processes
- Robotics & AI in remanufacturing

Register now:



<https://www.remanufacturing.academy>

Contact: Prof. Dr.-Ing. Matthias Vette-Steinkamp
E-Mail: robotik@umwelt-campus.de

Organized by: Umwelt-Campus Birkenfeld
Trier University of Applied Sciences
Endorsed by: Rematec, APRA Europe AISBL

For more information visit www.remanufacturing.academy
For more information about arrival and accommodation visit www.remanufacturing.academy/arrival-and-accommodation/



Umwelt-Campus
Birkenfeld

H O C H
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T R I E R

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Program

Day One, 17th September 2025

12:30	Arrival and Networking Lunch
13:30 - 14:00	Welcome by Vice President Prof. Dr. Henrik te Heesen and hosts Prof. Dr.-Ing. Matthias Vette-Steinkamp and Fernand Weiland
14:00 - 14:20	Dr. Daniel C. F. Köhler, BPW, APRA Europe: Remanufacturing - The most sustainable and complex business lacking a reference system model
14:20 - 14:40	Lorenzo Gaspari, CPI, APRA: Advancing Remanufacturing: Insights from Current Research and Emerging Trends
14:40 - 15:00	Gerrit Hoeborn, FIR Aachen: Upgrade Circular Economy - How to Overcome the Paradox of Sustainability and Profitability
15:00 - 15:15	Coffee Break / Exhibition
15:15 - 15:35	Jeffrey Stukenborg, ZF Group, Remanufacturing Industries Council (RIC): <i>online</i> ZF Remanufacturing: Designing for Circularity, Driving Sustainable Solutions
15:35 - 15:55	Dr. Alexey Tirtichny, Murata: Modern Circular Economy: Exploring Additional Dimensions Beyond Remanufacturing
15:55 - 16:15	Dr. Xavier Kohll, Circu Li-ion: Urban Mining through Automated Battery Disassembly
16:15 - 17:00	Break / Exhibition
17:00 - 18:00	Lab Tour and Workshops
18:00 - 19:00	Champagne reception
19:00 - 20:00	Dinner at Campus
20:00	End of the day at KADU, the university's on-campus bar

Day Two, 18th September 2025

9:00 - 9:15	Welcome by host Prof. Dr.-Ing. Matthias Vette-Steinkamp
9:15 - 9:45	Dr. Hans-Henrik Westermann, MTU Maintenance: Boost for climate protection: How the repair of turbine blades contributes to sustainable aviation
9:45 - 10:15	Andreas Letsch, Bosch Rexroth: Factory Automation Battery Factory Automation for Advanced Battery Systems: From Assembly to End-of-Life
10:15 - 10:45	Prof. Zhang Wei, President Institute of Remanufacturing Industry Technology, Jing-Jin-Ji: <i>online</i> Current Situation and Technological Development of China's Remanufacturing Industry
10:45 - 11:15	Coffee Break / Exhibition
11:15 - 11:45	Mike Hague-Morgan, Autocraft Solutions Group Ltd: Remanufacturing of EV Batteries - Essential for successful adoption of Electric Vehicles
11:45 - 12:15	Yves M. Klein, Neura Robotics: Humanoid and Cognitive Robotics: Building the Platform for the Next Industrial Era
12:15 - 12:45	Christian Pfefferkorn, Krups: Scalable, Efficient and Sustainable Process Automation for Recycling and Remanufacturing of Batteries
12:45 - 13:15	Lunch at campus
13:15 - 13:45	Axel Horstmann, Kautz Starkstromanlagen GmbH, Horstmann & Schwarz GmbH & Co. KG: From Energy Insight to Impact: Systemic Strategies for Efficiency, Sustainability and Profit
13:45 - 14:15	Prof. Dr. Erik Sundin, Linköping University: Designing for Circularity: Insights from 25 Years of Research
14:15 - 14:45	Panel discussion

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re.fact 25 meets PAE-e-green:

Decarbonising the E-Mobility Value Chain in the Greater Region

An EU-funded project for sustainable mobility and strong regional cooperation.

Project Goals

- Reduce the carbon footprint across the entire e-mobility value chain
- Promote sustainable production and consumption models
- Integrate circular economy principles into the mobility sector

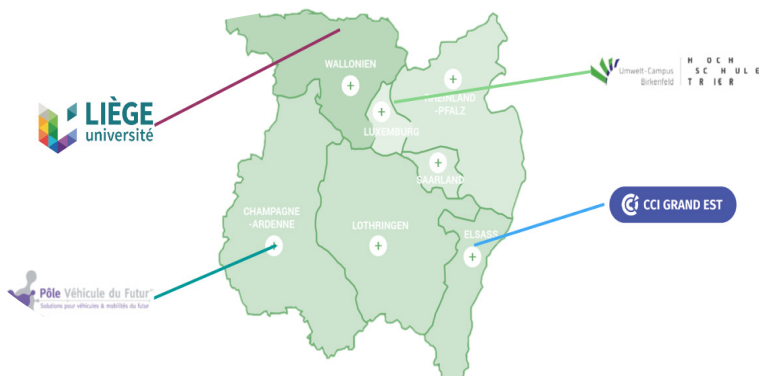


Demonstrators as Innovation Drivers

- Development of practical solutions for:
 - Production
 - Supply chain & infrastructure
 - Recycling & end-of-life use
- Focus on measurable CO₂ savings and climate impact reduction

Strong Network & SME Support

- Collaboration between research, industry & innovation partners
- Targeted support for SMEs in implementing sustainable practices
- Creation of a cross-border knowledge and innovation network



PAE-e-green and the international symposium re.fact 25 share a strong focus on carbon footprint reduction, circular economy, and industrial reuse. Both initiatives promote a climate-friendly, circular industry through dialogue, practical examples, and knowledge exchange.



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