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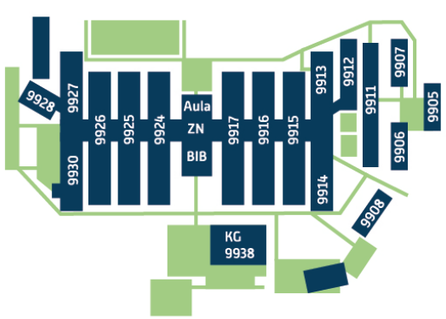

WHERE TO FIND US

The Environmental-Campus is easy to reach by car and public transport - we are located right next to the federal motorway A62, the federal highway B41 and the tainstation "Neubrücke (Nahe)". The motorway A 62 connects the motorways A 1 and A 6.

by car
Please take exit 4: "Birkenfeld / Hoppstädt.-Weiersb." There will be road signs along the A 62 and B 41 indicating the location of the campus. Please follow the signs "Fachhochschule".

by train
The train station "Neubrücke (Nahe)" is located in short walking distance (about 200 m) to the campus. Please follow the pedestrian path (and stairs) opposite the station.

PARTNERS & SPONSORS

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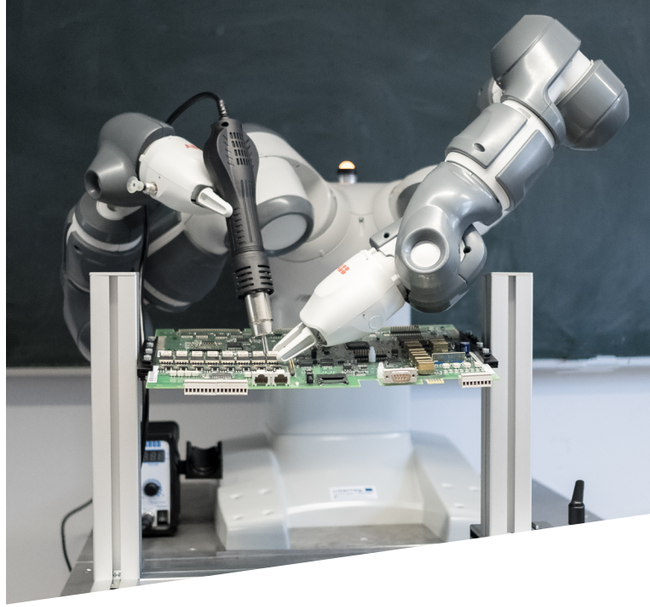
ENVIRONMENTAL CAMPUS BIRKENFELD

SYMPOSIUM ON AUTOMATED AND ROBOTIZED REMANUFACTURING

MARCH 20TH & 21ST 2019



Trier University of Applied Sciences

HOCHSCHULE TRIER

OBJECTIVE

The symposium will bring together engineers and managers involved in optimizing, planning and developing remanufacturing processes. Best practice around remanufacturing with automated and robotized processes will be shared by suppliers of robots and automation equipment, as well as researchers who are examining new applications. In addition, a series of lectures, demonstrations and posters will examine topics such as: remanufacturing based on robotics, human/robot collaboration and industry 4.0.

REMANUFACTURING

Remanufacturing is a standardized industrial process by which worn out components (end of life) are returned to same-as-new, or better, condition and performance. The process is in line with specific technical specifications, including engineering, quality and testing standards. The process yields fully warranted products.

PROGRAM & TIMETABLE

20.3.2019

14:00-14:05	**Welcome**
14:05-14:45	**Introduction to Remanufacturing** Fernand J. Weiland FJW Consulting
14:45-15:15	**Robotic assistants for remanufacturing processes- state of the art and outlook** Prof. Dr.-Ing. Wolfgang Gerke Trier University of Applied Sciences
15:15-15:45	**Automation of Disassembly and/or Cleaning: Challenges and First Solutions** Prof. Dr.-Ing. Rolf Steinhilper, Sebastian Schötz and Stefan Thäter Bayreuth University
15:45-16:00	**Coffee break**
16:00-16:30	**Digitalising Remanufacturing - some initial efforts** Prof. Dr. Duc Pham University of Birmingham
16:30-17:00	**Autonomous Remanufacture of Complex Products** Ian Briggs MCT ReMan
17:00-17:30	**Sustainable modelling of robotic disassembly processes for remanufacturing** Francisco Javier Ramirez University of Castilla-La Mancha
17:30	**Exhibition & Demonstrations**
18:00	**Leaving for Hotel registration**
19:00	**Cocktail reception & Dinner** Location: Victor's Seehotel Weingärtner

21.3.2019

8:30-8:35	**Welcome**
8:35-9:15	**Elevate Remanufacturing by Innovation & Automation** Fernand J. Weiland Editor Make New Again
9:30-10:00	**Human / Robot Cooperation with Standard and Collaborative Robots** Nigel Ramsden Fanuc
10:00-10:30	**Coffee break & Exhibtion**
10:30-11:00	**Challenges and Outlook in the remanufacturing of automotive Li-Ion Batteries** Francesco Maltoni RWTH Aachen
11:00-11:30	**Robotized Solutions** Thijs Jasink ALEC
11:30-12:00	**Possible applications of assistance systems for increasing flexibility and efficiency in the assembly process** Dr.-Ing. Matthias Vette-Steinkamp Zema Saarbrücken
12:00-13:00	**Lunch & Exhibition**
13:00-13:30	**Development of an intelligent robot-supported assistance system for non-destructive dismantling** Jan Jungbluth SEW Eurodrive
13:30-14:00	**The power of digital manufacturing and robotics to revolutionise traditional reman processes** Mike Hague-Morgan Autocraft
14:00-14:30	**Panel discussion** Moderators Wolfgang Gerke & Fernand Weiland
14:30-14:45	**Summary, End of the meeting**

ACCOMMODATION

Hotel Vicinity (located at the university)
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REGISTRATION

To register please use the following link:
www.umwelt-campus.de/symposium-reg
There will be a fee of 500€ per person (including dinner and lunch but not hotel room accomodation).

FUTHER INFORMATION

More Information can be found here:
www.umwelt-campus.de/symposium