

REMANUFACTURING UPDATE SEPTEMBER 2012

RESEARCH & DEVELOPMENT NEWS FROM BAYREUTH



Editorial

Dear Readers,

now, as the 2012 WORLD REMANUFACTURING SUMMIT is happening in Germany, I am glad to see its global scope: The majority of participants are visiting us from the outside world.

This includes both the speakers and the attendants.

Our visitors from America, China, Japan, Singapore, Korea and Australia, not to forget our many neighbors from European Countries - together with our domestic guests are receiving today's newsletter not just online, but also on site.

Enjoy reading!

Rolf Steinhilper



→ **Rolf Steinhilper**
University Professor
rolf.steinhilper@uni-bayreuth.de

BAYREUTH UNIVERSITY
UP Chair Manufacturing
and Remanufacturing
Technology

2012 WORLD REMANUFACTURING SUMMIT

In our last editions we promoted the 2012 WORLD REMANUFACTURING SUMMIT – and next week it is finally taking place! Far more than 100 people will travel to Bayreuth coming from four continents (German definition) or - more detailed - 20 different countries. So the event can indeed be called a "World Summit".



Distribution by country of summit participants

The participants are mainly from industry. This category makes up 72% of all attendees. 16% are researchers, followed by consultants (7%) and press members (5%). The automotive industry is represented by 35% of all participants from industry. Most of the participants are men – 85%. But 15% proportion of women among the attendees is quite good regarding the technical topic! Also interesting is the share of OEM representatives taking part with 75% of the industry participants working for OEMs.

Could we keep our promises? Let's have a look: We posted it will be an event spanning the globe – this became true – see above. Also the leading representatives from science and industry are there: a glance on the list of speakers and participants shows that the Summit has attracted market leaders, innovation pioneers and multinational



big players as well as hidden champions. In addition the selected session topics as well as the presentation titles promise high level information going beyond a comprehensive overview of state-of-the-art remanufacturing technology and business development – and participants will gain first-hand knowledge and information.

You can still register for the Summit or – if you cannot attend - order the conference proceedings which you will receive after the event. The proceedings contain the list of participants with name, company/institution, address, the summit programme, exhibitor information, speaker information and certainly the printed editions of their presentations. All the mentioned information is also enclosed digitally on an USB stick.

Looking forward to see you in Bayreuth!



→ **Sandra Seifert**
sandra.seifert@uni-bayreuth.de

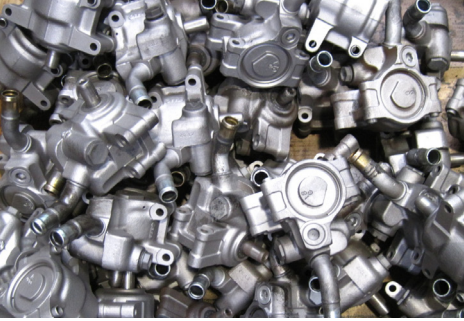


Important Links

Latest summit information
www.remansummit.com



Official media partner:
www.rematecnews.com



Remanufacturing Research - Making a Green Business Greener

Sustainability as a corporate goal is increasingly gaining importance and turns out to be a key factor for success in competition, both locally and internationally. Furthermore, the effective implementation of a sustainability strategy drives innovation and growth. Particularly according to environmental and social aspects, it is important to keep track with the economic development. Beside conformity with minimum requirements like quality management (ISO 9001) and environmental management (ISO 14001), there is a growing importance of health and safety aspects (BS OHSAS 18001) as well as energy management requirements (DIN EN ISO 50001) for the acceptance of orders, especially in the automotive supplier industry.

Among manufacturing companies, the branch of remanufacturing contributes considerably to global sustainability, as they pave the way for closed loop life cycles. Regarding a study from A. T. Kearney the automotive aftermarket in eastern Europe predicts a growth of 230 % from 2008 to 2012. This promises enormous economic opportunities which also manifest in an accelerating job-creation for the automotive

parts remanufacturing industry.

The majority of remanufacturing companies are small and medium sized enterprises. Recent research by the Fraunhofer-Project Group Process Innovation on resource efficiency and sustainable production in SME shows that some of them, regarding working at the state-of-the-art benchmarks, still hold a high potential for improvement in their remanufacturing system.

In order to support the remanufacturing companies regarding this issue, international experts from science (Bayreuth University and Poznan University of Technology) and industry are working together on the joint bilateral German and Polish research Project: Sustainability In Remanufacturing Operations – SIRO.



Logo of project SIRO

The major goal of the bilateral research project SIRO is to develop a pragmatic and company-guiding process model for increasing sustainability in manufacturing and remanufacturing systems. The model will identify and find suitable solutions for economic, ecological and social optimization potentials and will be developed and assessed by pilot implementations during the course of the project. Additionally impacts will be validated by simulation.

In real work surroundings of German and Polish companies, the model shall prove its applicability under different boundary conditions and must guarantee the bilateral transfer of good practice solutions.

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→ Frank Kübler

frank.kuebler@uni-bayreuth.de



Meet one of our Experts - Today: Dipl.-Wirt.-Ing. (FH) Steffen Butzer

Today we would like to introduce Dipl.-Wirt.-Ing. (FH) Steffen Butzer M.Sc. to you. Steffen is our expert in process optimization as well as factory and business planning for the remanufacturing industry.

Steffen Butzer

Age: 29

Nationality: German



Career: 1999-2003 IT-System-Electrician, **2009** degree in industrial engineering, **2011** Master degree in business and industrial engineering, since **2011** research assistant at Prof. Steinhilper's Chair Manufacturing & Remanufacturing Technology.

What are your activities in remanufacturing research?

My personal research interests are complexity management, process optimization and factory planning as well as business models in the field of remanufacturing.

How did you come to remanufacturing?

With starting my career at the Chair Manufacturing and Remanufacturing Technology in 2011, Professor Steinhilper gave me a copy of this book: Remanufacturing - The Ultimate Form of Recycling. Next step was joining the project reCORE which aims for analyzing complexity in remanufacturing.

What do you do in your free time?

I like sports, travelling and motor vehicles.

What gives you pleasure?

I'm easy to please; I'm always satisfied with the best.

What are your wishes for the reman branch?

I hope that our research will bring a suitable and sustainable benefit for the remanufacturing industry to handle present-day and future challenges.

Imprint

Chair Manufacturing and
Remanufacturing Technology
Bayreuth University
Universitaetsstr. 30
D-95447 Bayreuth

Contact
Prof. Dr.-Ing. Rolf Steinhilper
Phone +49 (0) 921 55-7301
sekretariat.lup@uni-bayreuth.de
www.lup.uni-bayreuth.de