



Additive Manufacturing for Future Repair and Maintenance in the Aviation Industry



Paderborn University

Tuesday, 23rd of February, 2016

Start : 9:00 h

End : 16:30 h

Free participation
Please **register**
for the event:



<http://bit.ly/1O4wg0N>

2nd
Workshop

www.rep-air.eu

AGENDA

09:00 h **First coffee**

09:30 h **Welcome**

09:45 h **High batch repair demonstration**

Presentation of major RepAIR outcomes

- The RepAIR approach
Prof. Dr. Rainer Koch, Paderborn University, C.I.K./DMRC
- Additive Manufacturing in aircraft MRO – a scenario based approach
Christian Lindemann, Paderborn University, C.I.K./DMRC
- Software Systems for an integrated MRO production approach
Juan José Martí Ogayar, O'Gayar Co.
- Part monitoring and usage based lifetime prediction and its role in the MRO industry
Adrian Cubillo, Cranfield University, IVHM Centre
- Decision support methodologies for MRO RepAIR chains – What does AM change?
Gereon Deppe, Paderborn University, C.I.K./DMRC
- Integrated Direct Metal Deposition RepAIR technology for complex individual parts
Alfred Schapansky, AVANTYS engineering
- Industrialization of AM As a RepAIR process - High batch RepAIR using Selective Laser Melting
Dr. Dieter Schwarze, SLM Solutions

13:00 h **Lunch Break**

14:00 h **Lab Tours**

Presentation of major RepAIR outcomes (conclusions)

- The AM production perspective – a use case from aeronautics
Dr. Jeppe Skinnerup Byskov, Danish Technological Institute
- The final milestone for industrialization of AM: Certification strategies
Luis Portolés Griñán, AIMME
- AM for MRO – an end user's perspective
Dr. Thomas Gartner, Lufthansa Technik
Allen Wilson, The Boeing Company
- Conclusions and implications on further research
Dr. Jens Pottebaum, Paderborn University, C.I.K./DMRC

16:30 **Outlook and closing**



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repair@dmrc.de



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