



Fraunhofer

IWU

FRAUNHOFER INSTITUTE FOR
MACHINE TOOLS AND
FORMING TECHNOLOGY IWU



May 31st – June 2nd 2016, Chemnitz, Germany

**7TH CIRP CONFERENCE ON HIGH
PERFORMANCE CUTTING HPC 2016**

**4TH INTERNATIONAL CHEMNITZ
MANUFACTURING COLLOQUIUM ICMC 2016**



CHEMNITZ MEETS PRODUCTION TECHNOLOGY

SAVE THE DATE

ICMC 2016

International Chemnitz
Manufacturing Colloquium



Topics

As a CIRP conference, the **HPC 2016** will concentrate on the following topics from a scientific point of view, whereas the **ICMC 2016** will be dedicated to an industrial focus on the same topics:

- Machining of metallic and non-metallic materials
- Micromanufacturing processes
- Hybrid machining
- Precision machining
- Die and mold machining
- Mechanics and dynamics of material removal processes
- Residual stress and damage of finished surfaces due to cutting
- Abrasive processes
- Technology, models, tuning and testing
- Machine design for micromachining
- CAD/CAM systems and strategies for high performance cutting
- Control of multi-axis machine tools
- Design methodology of multi-axis machine tools
- Cutting tool materials, tool design and tool performance
- Intelligent tooling
- Metrology and measurement
- Monitoring and control of machining operations
- Sustainable manufacturing processes
- Machine tool structures and configurations
- Non-conventional machining
- Machining of difficult-to-cut materials
- Environmental aspects of the design and operation of machine tools

Coordination and Contact

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