



european society for precision engineering and nanotechnology

Special Interest Group:

## **Thermal Issues**

21st - 23rd March 2018

Dresden, Salzgasse 4,  
Germany



euspen and **CRC/TR 96**, are pleased to invite you to the Joint Conference on Thermal Issues in Machine Tools, which will be held in Dresden, Germany from March 21 to 23, 2018.

The conference is a great opportunity for experts from academia and industry in the field of thermal modeling and optimal thermal design of machine tools to present and discuss their findings on a high scientific level. The conference intends to stimulate and support development and knowledge transfer in this field.

The purpose of the 2-day conference is to bring together members of companies and researchers for a mutual exchange of experience and knowledge.

The Conference on Thermal Issues in Machine Tools is organised by **CRC/TR 96** and euspen, which has been working to solve the conflict between reducing energy consumption and increasing accuracy and productivity in machining since 2011.

The topics modeling and simulation, experimental methodology, design and bench marking were discussed in five previous **CRC/TR 96**-workshops. One issue was the future knowledge transfer to the economy.

### **The conference follows up on this path and offers parallel sessions concerning the topics:**

- Measurement of thermal influences on machine tools and workpieces
- Modelling and model reduction techniques
- Compensation and correction of thermal effects
- Design principles for thermally robust machine tools (Machine Tool Elements, Machine Structures)
- Testworkpieces and assessment
- Thermo-energetic design

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