

## GS13 Machine tool metrology and calibration

### **GS13-01** Development of Adhesion Evaluation

Equipment for Nano Diamond Coating using Blasting Method

JingHua Li, HyunKyu Kweon and SangJun Park

research institute of manufacturing and productivity

### **GS13-02** Volumetric error modeling and compensation

for nine-axis and five-linkage turn-milling compound machine tool

Yindi Cai, Daoyuan Dai, Bo Wen, Zihui Zhu, Xianglong

Zhu, Zhigang Dong and Renke Kang

Dalian University of Technology

### **GS13-03** Analysis and modeling of volumetric error of

ultra-precision grinding machine

Ruyue Wang, Yindi Cai, Shiyu Fu, Hongwei Sun,

Xianglong Zhu, Xianguang Guo, Zhigang Dong and

Renke Kang

### **GS13-04** Multi-Spindle Calibration for Thermal Error

Compensation of Mill-Turn Machines

Lang Sebastian, Fix Juliuc, Mayr Josef, Wegener

Konrad and Banbach Markus

ETH Zurich / inspire AG