

## Room 5

### Keynote session 5 (Measurement/Control)

KS5-1 Keynote Speaker: Prof. Enrico Savio

Integrated metrology in manufacturing: connecting digital twins and applications in metal forming (GS12-14)

Enrico Savio

KS5-2 Keynote Speaker: Prof. Benny C.F. Cheung

Advances in Autostereoscopic Freeform Surface Metrology (GS04-01)

Benny C.F. Cheung

KS5-3 Keynote Speaker: Dr. Jaspreet S. Dhupia

Modelling and control of the occlusal force for simulating voluntary chewing by a robot (OS13-06)

Bangxiang Chen, Jaspreet S. Dhupia and Weiliang Xu

### Feature session 5 (Surface)

FS5-1 Feature Speaker: Dr. Supat leamsupapong

Role of surface finish on corrosion properties of dissimilar welding of stainless steels (GS05-03)

Supat leamsupapong, Palita Rangsi, Teerapat Bunnarungsi, Noparat Kanjanaprayut and Siriporn Daopiset

FS5-2 Feature Speaker: Dr. Peerapong Kasuriya

Investigation of surface characteristics of mirror-finished surfaces using polycrystalline sintered diamond ball end mill (OS08-03)

Peerapong Kasuriya, Takeshi Watanabe, Takashi Goto and Masahiko Jin

FS5-3 Feature Speaker: Dr. Chunjin Wang

Fluid jet polishing of functional structured surfaces (OS08-21)

Chunjin Wang, Zili Zhang and Benny C. F. Cheung

### Feature session 10 (Measurement/Control)

FS10-1 Feature Speaker: Dr. Xiaohua Liu

Sol Gel Glass Micro and Metasurface Fabrication (OS21-17)

Xiaohua Liu, Xiaolin Li, Tiantong Chen, Muye Niu, Weinan Xu, Shih-Chi Chen and Allen Y Yi

FS10-2 Feature Speaker: Prof. Masanori Kunieda

Measurement of discharge reaction force acting on wire electrode in wire electrical discharge machining (GS05-01)

Wenting Gu, Masanori Kunieda and Wansheng Zhao

FS10-3 Feature Speaker: Dr. Wijayanti Dwi Astuti

Theoretical Inquiry of Type II SHG Phase Matching Angle of LBO Crystal for Small Angle Detection (OS15-32)

Wijayanti Dwi Astuti, Prastowo Murti and Wei Gao

FS10-4 Feature Speaker: Dr. Keifei Wen

Kinematically Redundant (6+3)-DOF Hybrid Parallel Robots with Very Large Rotational Workspace (GS10-14)

Keifei Wen