

Session Program

11-15 Sept 2017



20th International Forgemasters Meeting - IFM 2017

Testing and QM

Congress Graz, Austria
Albrechtgasse 1 8010 Graz Austria

Tuesday 12 September

10:00

Testing and QM

Session | **Location:** Congress Graz, Austria, Room C, Albrechtgasse 1 8010 Graz Austria

10:00–10:20

APPLICATION OF LASER TRACKER FOR DIMENSIONAL INSPECTION OF LARGE FORGINGS AND ITS UNCERTAINTY EVALUATION

Speaker

Mr Takahiro Ohya

10:20

10:50

Testing and QM

Session | **Location:** Congress Graz, Austria, Room C, Albrechtgasse 1 8010 Graz Austria

10:50–11:10

Alternative Methods for Determining Microcleanliness: A Study Based on Hot Work Tool Steels

Speaker

Dr Wolfgang Schuetzenhoefer

11:10–11:30

Automatic Ultrasonic Inspection of Open Die Forged Parts and Forged Steel-Bars for the Energy- and Aviation-Industry

Speaker

Mr Rene Krenn

11:30–11:50

APPLICATION OF DEVELOPED AUTOMATED UT SYSTEMS FOR FORGED ROTORS AND DISCS

Speaker

Mr Hiroshi Okabe

11:50–12:10

Retained austenite measurements and magnetic response of 17-4 PH stainless steel under magnetic particle testing

Speaker

Mr Marius Saiciuc

12:10

14:00

Testing and QM

Session | **Location:** Congress Graz, Austria, Room C, Albrechtgasse 1 8010 Graz Austria

14:00–14:20

Development of Forging Shape Evaluation in Open Die Forging

Speaker

Mr TAKUYA HAMAI

14:20–14:40

Challenges during Ultrasonic Examination of High thickness Austenitic Stainless Steel Forgings for Critical applications

Speaker

Mr Ashutosh Singh

14:40–15:00

Ultrasonic Computed Tomography - Pushing the Boundaries of the Ultrasonic Inspection of Forgings**Speaker**

Dr Johannes Vrana

15:00–15:20

Development and application of automated periphery UT system for rotor forgings**Speaker**

Dr Jaeseok Park

15:20

15:50

Testing and QM**Session** | **Location:** Congress Graz, Austria, Room C, Albrechtgasse 1 8010 Graz Austria

15:50–16:10

Optimizing Ultrasonic Forgings Inspection by exploiting Pulse-Compression technique and multi-frequency AVG analysis**Speaker**

Dr Stefano Neri

16:10–16:30

DEVELOPMENT OF A NON-CONTACT MEASUREMENT SYSTEM USING IMAGING SENSOR**Speaker**

Mr Shingo Seki

16:30–16:50

Induction and Conduction Thermography: A new Surface Inspection Method Suited for the Forging Industry**Speaker**

Dr Johannes Vrana

16:50–17:10

Automated ultrasonic inspection system for high performance forged parts**Speaker**

Ulrike Fau

17:10–17:30

STUDY ON THE KEY TECHNOLOGY & THE ROUTINE OF INTELLENT MANUFACTURING FOR OPEN DIE FORGING PLANTS**Speaker**

Mr Zuoyu Qi

17:30