

Session Program

30 September 2019 to 2 October 2019

ESSC & DUPLEX 2019

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Austenitic stainless steels

Schloss Schönbrunn
Apothekertrakt, Vienna

Wednesday 2 October

10:00

Austenitic stainless steels

Session | **Location:** Schloss Schönbrunn, Room A - Maria Theresia, Apothekestrakt, Vienna | **Conveners:**
Dr Paavo Hooli, Peter Eisenköck

10:00–10:20

AN OVERVIEW OF MECHANICAL PROPERTIES OF TODAY'S GRAIN-REFINED AUSTENITIC STAINLESS STEELS

Speaker

Antti Järvenpää

10:20

10:50

Austenitic stainless steels: Austenitic stainless steels

Session | **Location:** Schloss Schönbrunn, Room A - Maria Theresia, Apothekestrakt, Vienna | **Conveners:**
Mr Antti Järvenpää, Kare Johansson

10:50–11:10

INFLUENCE OF HEAT TREATMENT AND THERMOCHEMICAL SURFACE ENGINEERING ON THE HIERARCHICAL MICROSTRUCTURES OF 3D PRINTED AUSTENITIC STAINLESS STEEL

Speaker

Cecilie Vase Funch

11:10–11:30

MONITORING THE SURFACE QUALITY OF STAINLESS STEEL SLABS WITH REVEAL CAST - FINDINGS AND SUB-SEQUENT QUALITY IMPROVEMENTS

Speaker

Paavo Hooli

11:30–11:50

THE EFFECT OF HEAT TREATMENT AND SURFACE HARDENING OF 3D PRINTED AUSTENITIC STAINLESS STEEL AISI316 ON CORROSION AND WEAR PROPERTIES

Speaker

Emilie H. Valente

11:50–12:10

HIGH NITROGEN HIGH CARBON STAINLESS STEEL

Speaker

Mamdouh Eissa

12:10