

## **Session Program**

**5-8 Sept 2022**

# **27th IFHTSE CONGRESS & EUROPEAN CONFERENCE ON HEAT TREATMENT 2022**

## ***STEEL***

Wyndham Grand Salzburg Conference Center  
Fanny-von-Lehnert-Straße 7, 5020 Salzburg, Austria

## Tuesday 6 September

13:20

### STEEL: Continuous Heat Treatment Processes for Steels

**Session** | **Location:** Room 3 - ATTERSEE | **Convener:** John G. Speer

13:20-13:45

#### Continuous Annealing Digital Twin Implementation and Calibration

##### Speakers

Roland EISL, Peter SEEMANN

13:45-14:10

#### Influence of the quenching and partitioning heat treatment process on the hydrogen embrittlement resistivity of 20MnSi steel

##### Speaker

Hamdi ELASYED

14:10-14:35

#### Replacement of Si by Al in Q&P-steels and its effect on the tempering behavior of martensite

##### Speaker

Matthias WALLNER

15:00

15:20

### STEEL: Heat Treatment of Steels

**Session** | **Location:** Room 3 - ATTERSEE | **Convener:** Peter Seemann

15:20-15:45

#### The hydrochloric acid corrosion susceptibility of steel rebars exposed to heat treatments

##### Speaker

Christian PAGLIA

15:45-16:10

#### Energy efficient manufacturing chain for advanced bainitic steels based on thermo-mechanical processing

##### Speaker

Pedro José DE CASTRO

16:10

## Wednesday 7 September

09:00

### STEEL: Heat Treatment of Powder Metallurgical and Tool steels

**Session** | **Location:** Room 3 - ATTERSEE | **Convener:** Herbert Danninger

09:00–09:25

#### Insufficient heat treatment and retained austenite in tool steels and high-speed steels

**Speaker**

Harald LEITNER

09:25–09:50

#### Hardenability of PM steel alloyed using tailored Master Alloys

**Speaker**

Stefan GEROLDINGER

09:50

11:10

### STEEL: Heat Treatment of Stainless Steels

**Session** | **Location:** Room 3 - ATTERSEE | **Convener:** Harald Leitner

11:10–11:35

#### Corrosion resistance of cryogenically treated tool steels.

**Speaker**

Peter JURIC

11:35–12:00

#### Investigations on the effect of cooling rate on quenching & partitioning (Q&P) in martensitic stainless steels

**Speaker**

Simona KRESSER

12:00–12:25

#### Fine grained high-interstitial stainless TRIP steel; processing and properties

**Speaker**

Prof. Marcel A.J. SOMERS

12:25–12:50

#### Austenite aging of 17-4 PH martensitic stainless steel: phenomena, effects and implications

**Speaker**

Matteo VILLA

12:50