

Session Program

17-21 Jun 2019



5th International Conference on Advances in Solidification Processes (ICASP-5) 5th International Symposium on Cutting Edge of Computer Simulation of Solidification, Casting and Refining (CSSCR-5)

Intermetallics

IMLAUER HOTEL PITTER SALZBURG
Rainerstraße 6, 5020 Salzburg, Austria

Thursday 20 June

13:30

Intermetallics

Session | **Location:** IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

13:30–14:00

NUCLEATION AND GROWTH TWINNING IN Al-Mn-Fe INTERMETALLIC SOLIDIFICATION IN Mg ALLOYS

Speaker

Chris Gourlay

14:00–14:20

THE FORMATION OF Al₆ (Fe, Mn) PHASE IN DIE-CAST Al-Mg ALLOYS

Speaker

Shouxun Ji

14:20–14:40

QUANTIFICATION OF MICROSTRUCTURE TO REVEAL THE SOLIDIFICATION PATH OF AN ALLOY

Speaker

Hani Henein

14:40–15:00

SOLIDIFICATION PATH AND PHASE TRANSFORMATION IN SUPER-AUSTENITIC STAINLESS STEEL UNS S31254

Speaker

Raphaël MARIN

15:00–15:20

RECENT ADVANCES IN THE UNDERSTANDING OF THE ROLE OF VANADIUM CARBONITRIDE PRECIPITATION TO IMPROVE SURFACE EDGE CRACKING ON CONTINUOUS CASTING OF BLOOMS

Speaker

Esra Erdem Hornauer

15:20–15:40

HIGH SHEAR TREATMENT ASSISTED FABRICATION OF METAL MATRIX PARTICULATE NANOCOMPOSITES

Speaker

Yan Huang

15:40

16:10

Intermetallics: Intermetallics

Session | **Location:** IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

16:10–16:30

COARSE PARTICLES FORMED DURING THE DC CASTING OF Al-Mn-Ti-Fe-Si ALLOYS

Speaker

Qiang Du

16:30-16:50

PREDICTION OF CARBIDE PRECIPITATION USING A COMBINED PARTIAL EQUILIBRIUM-PARA-EQUILIBRIUM - LEVER RULE APPROXIMATION IN AUTOMOBILE GEAR MATERIALS**Speaker**

Hongwei Zhang

16:50-17:10

SOLIDIFICATION BEHAVIOR AND MICROSTRUCTURE EVOLUTION OF γ -TiAl ALLOYS**Speaker**

Kou Hongchao

17:10-17:30

NUMERICAL MODELLING OF INFILTRATION OF AI INTO ADDITIVE MANUFACTURED Fe PREFORMS IN ORDER TO OBTAIN Fe-AI INTERMETALLICS**Speaker**

Ralf Berger

17:50