

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)

Plenary Session

IMLAUER HOTEL PITTER SALZBURG
Rainerstraße 6, 5020 Salzburg, Austria

Tuesday 18 June

08:50

Plenary Session

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

08:50–09:25

STEPS IN BUILDING THE FOUNDATIONS OF MODERN SOLIDIFICATION SCIENCE BEFORE 1953

Speaker

Wilfried Kurz

09:25–10:00

BRIDGING THE GAP BETWEEN ATOMISTIC AND MICROSTRUCTURE-SCALE SIMULATIONS OF SOLIDIFICATION: FROM A PERSPECTIVE OF LARGE-SCALE MOLECULAR DYNAMICS SIMULATION

Speaker

Yasushi Shibuta

10:00

Wednesday 19 June

08:15

Plenary Session: Plenary Session

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

08:15–08:50

In situ X-ray imaging investigation of solidification of high melting temperature materials: Silicon and superalloys

Speaker

Nathalie Mangelinck-Noël

08:50–09:25

MULTISCALE MODELING OF DENDRITIC ALLOY MICROSTRUCTURES

Speaker

Alain Karma

09:25–10:00

PHASE BOUNDARY ANISOTROPY IN LAMELLAR EUTECTICS: RESULTS FROM RECENT MICROGRAVITY EXPERIMENTS

Speaker

Ulrike Hecht

10:00

Thursday 20 June

08:15

Plenary Session: Plenary Session

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

08:15–08:50

MESOSCOPIC MODELING OF POWDER BED BASED ADDITIVE MANUFACTURING

Speaker

Carolin Körner

08:50–09:25

COMBINING FLOW AND STRUCTURE MECHANICS MODELLING IN SOLIDIFYING REGIONS

Speaker

Andreas Ludwig

09:25–10:00

MACROSEGREGATION FORMATION AND CONTROL IN BEARING STEEL VIA NUMERICAL SIMULATION AND EXPERIMENTAL CHARACTERIZATION

Speaker

Dianzhong Li

10:00

Friday 21 June

08:15

Plenary Session: Plenary Session

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

08:15–08:50

OBJECTS INTERACTING WITH SOLIDIFICATION FRONTS: FROM MATERIALS SCIENCE TO GEOPHYSICS AND BIOLOGY

Speaker

Sylvain Deville

Location

IMLAUER HOTEL PITTER SALZBURG, P1

08:50–09:25

KEY DATA FOR SIMULATING THERMAL PROBLEMS - SWIFT MEASUREMENT OF THERMAL DIFFUSIVITY, THERMAL CONDUCTIVITY AND HEAT CAPACITY IN COMPLEX ALLOYS

Speaker

Markus Rettenmayr

Location

IMLAUER HOTEL PITTER SALZBURG, P1

09:25–10:00

Time Resolved X-ray Tomography: from Dendritic Growth to Mushy Zones

Speaker

Peter Voorhees

Location

IMLAUER HOTEL PITTER SALZBURG, P1

10:00