

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)

Eutectic microstructure

IMLAUER HOTEL PITTER SALZBURG
Rainerstraße 6, 5020 Salzburg, Austria

Wednesday 19 June

10:30

Eutectic microstructure: Eutectic microstructure #1

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

10:30–10:50

ROD-TO-LAMELLAR TRANSITION DURING DIRECTIONAL SOLIDIFICATION OF A MODEL TRANSPARENT EUTECTIC ALLOY

Speaker

Silvere Akamatsu

10:50–11:10

POST-SOLIDIFICATION EFFECTS IN DIRECTIONALLY SOLIDIFIED TERNARY EUTECTIC Al-Al₂Cu-Ag₂Al

Speaker

Amber Genau

11:10–11:30

MICROSTRUCTURAL EVOLUTION DURING MULTICOMPONENT EUTECTIC SOLIDIFICATION IN THE Al-Cu-Si-Mg SYSTEM

Speaker

Isaac Chang

11:30–11:50

THE EFFECT OF FORCED MELT FLOW INDUCED BY ROTATING MAGNETIC FIELD ON THE STRUCTURE OF Al-Si EUTECTIC

Speaker

Zsolt Veres

11:50–12:10

PHASE-FIELD SIMULATIONS OF COUPLED DENDRITIC-EUTECTIC GROWTH

Speaker

Marco Seiz

12:10

13:30

Eutectic microstructure: Eutectic microstructure #2

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

13:30–14:00

INFLUENCE OF INTERPHASE BOUNDARY ANISOTROPY ON EUTECTIC SOLIDIFICATION MICROSTRUCTURES

Speaker

Mathis Plapp

Location

IMLAUER HOTEL PITTER SALZBURG, P1

14:00–14:20

ANISOTROPY EFFECTS ON LAMELLAR-EUTECTIC SOLIDIFICATION MICROSTRUCTURES IN THIN Al-Al₂Cu SAMPLES

Speaker

Sabine Bottin-Rousseau

Location

IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

14:20–14:40

INVESTIGATION OF THE MICROSTRUCTURE ADJUSTMENT BY VELOCITY VARIATIONS DURING THE DIRECTIONAL SOLIDIFICATION OF Al-Ag-Cu WITH THE PHASE-FIELD METHOD**Speaker**

Johannes Hötzer

Location

IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

14:40–15:00

ROLE OF SOLID-SOLID AND SOLID-LIQUID ANISOTROPIES IN EUTECTIC COLONY STRUCTURE FORMATION**Speaker**

Kiran Aramanda Shanmukha

Location

IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

15:00–15:20

EFFECTS OF INTERPHASE BOUNDARY ANISOTROPY ON THE THREE-PHASE GROWTH DYNAMICS IN THE $\beta(\text{In})$ - In_2Bi - $\gamma(\text{Sn})$ TERNARY-EUTECTIC SYSTEM**Speaker**

Prof. Melis Serefoglu

Location

IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

15:20–15:40

RAPID SOLIDIFICATION MEDIATED LAMELLAR EUTECTICS FORMATION IN Nb-Si BASED ALLOY POWDERS AND THEIR SURFACE OXIDES**Speaker**

Lina Jia

Location

IMLAUER HOTEL PITTER SALZBURG, P1, Rainerstraße 6, 5020 Salzburg, Austria

15:40