

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)

Peritectic growth

IMLAUER HOTEL PITTER SALZBURG
Rainerstraße 6, 5020 Salzburg, Austria

Thursday 20 June

10:30

Peritectic growth

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

10:30–10:50

INVESTIGATION USING 4D-CT OF MASSIVE-LIKE TRANSFORMATION FROM THE δ TO γ PHASE DURING AND AFTER δ -SOLIDIFICATION IN CARBON STEELS

Speaker

Hideyuki Yasuda

10:50–11:10

APPLICATION OF A CONCENTRIC SOLIDIFICATION TECHNIQUE TO STUDY EARLY SOLIDIFICATION PHENOMENA PERTINENT TO THE CONTINUOUS CASTING OF STEEL

Speaker

Rian Dippenaar

11:10–11:30

PHASE-FIELD SIMULATIONS OF SOLID/LIQUID INTERFACE MORPHOLOGY AND THERMODYNAMIC PARAMETERS EVALUATION IN PERITECTIC STEELS FOR THE CONCENTRIC SOLIDIFICATION TECHNIQUE USING HIGH TEMPERATURE LASER SCANNING CONFOCAL MICROSCOPE (HTLSCM)

Speaker

Dasith Deshan Liyanage

11:30–11:50

IMPACT OF UNEQUAL PHASE BOUNDARY ENERGIES ON THE PERITECTIC REACTION STUDIED BY PHASE-FIELD SIMULATION

Speaker

Janin Eiken

11:50–12:10

OPTIMIZATION STRATEGIES FOR IDENTIFYING THE CONTROLLING MECHANISM FOR SOLID-STATE TRANSFORMATION IN FeCrNi DURING RAPID SOLIDIFICATION

Speaker

Douglas M. Matson

12:10