

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)

Poster Session

IMLAUER HOTEL PITTER SALZBURG
Rainerstraße 6, 5020 Salzburg, Austria

Thursday 20 June

17:50

Poster Session

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

17:53-17:54

SOLIDIFICATION ASSESSMENT OF COMMERCIAL STEEL GRADES WITH THERMODYNAMIC DATABASES

Speaker

Begoña Santillana

17:54-17:55

SIMULATION OF THE MICROSTRUCTURE FORMATION DURING LASER MELTING ADDITIVE MANUFACTURING VIA THE MODIFIED CELLULAR AUTOMATA METHOD AND ITS EXPERIMENTAL VERIFICATION

Speaker

Prof. Jiang Wang

17:55-17:56

UTILIZING INCLUSION DATA IN CHARACTERIZATION OF OXIDE-SULFIDE STRINGERS IN HOT-ROLLED PLATES

Speaker

Tuomas Alatarvas

17:56-17:57

CHARACTERIZATION OF HEAT TRANSFER AND ITS EFFECT ON SOLIDIFICATION IN WATER COOLED LPDC OF WHEELS

Speaker

Anis Umi Saadah Binti Othman

17:57-17:58

THE USE OF ADVANCED ANALYTICS ON ENGINEERED FEATURES TO DETECT STICKER BREAKOUT IN CONTINUOUS CASTERS

Speakers

Anurag Bhatt, Ranjay Singh

18:00-18:01

NUMERICAL SIMULATIONS OF ELECTROMAGNETIC COUNTERACTIONS TO MOLD FLUID FLOW ASYMMETRY DEVIATIONS

Speaker

Martin Sedén

18:01-18:02

Cerium containing inclusions: kinetic model and experimental results

Speaker

Christian Bernhard

18:04-18:05

LEVEL-SET MODELLING OF LASER BEAM MELTING PROCESS APPLIED ONTO CERAMIC MATERIALS - COMPARISON WITH EXPERIMENTAL RESULTS

Speaker

Gildas Guillemot

18:05-18:06

MOLECULAR DYNAMICS SIMULATION OF THE HETEROGENEOUS NUCLEATION VIA GRAIN REFINER INOCULATED IN ALUMINIUM MELT**Speaker**

Takuya Fujinaga

18:08-18:09

MOLECULAR DYNAMICS SIMULATION OF NUCLEATION AND SOLIDIFICATION FOR ALLOY SYSTEMS**Speaker**

Yasushi Shibuta

18:09-18:10

NUMERICAL OPTIMIZATION OF THE MELT CONDITIONED DIRECT-CHILL (MC-DC) CASTING PROCESS**Speaker**

Bruno Lebon

18:10-18:11

NUMERICAL SIMULATION OF FLUID FLOW, SOLIDIFICATION AND DEFECTS IN HIGH PRESSURE DIE CASTING (HPDC) PROCESS**Speaker**

Alain Jacot

18:12-18:13

SOLIDIFICATION PROCESSING OF SCRAP Al-ALLOYS CONTAINING HIGH LEVELS OF Fe**Speaker**

Prof. Zhongyun Fan

18:13-18:14

SEGREGATION OF Ca AT THE Mg/MgO INTERFACE AND ITS EFFECT ON GRAIN REFINEMENT OF Mg ALLOYS**Speaker**

Prof. Zhongyun Fan

18:14-18:15

IN SITU AND OPERANDO SYNCHROTRON QUANTIFICATION OF PRIMARY SOLIDIFICATION IN IN713C DURING ADDITIVE MANUFACTURING**Speaker**

Samuel Clark

18:15-18:16

MICROSTRUCTURE IN A356/AA6xxx AFTER COMPOUND CASTING WITH FLUX COATING**Speaker**

Aina Opsal Bakke

18:17-18:18

SOLIDIFICATION MODELLING IMPROVEMENT OF THE CONTINUOUS CASTING STEEL BILLET QUALITY

Speaker

Gonzalo Alvarez de Toledo

18:19-18:20

USING MORPHOLOGY-EQUIVALENT METHOD TO SIMULATE THE EVOLUTION OF SHRINKAGE IN Ti6Al4V ALLOY CASTINGS DURING HIP**Speaker**

Qian Xu

18:21-18:22

INFLUENCE OF SLAB SURFACE COOLING HISTORY ON CRACK SENSITIVITY OF MICRO-ALLOYED STEELS**Speaker**

Jakob Six

18:22-18:42

INFLUENCE FACTORS ANALYSIS OF THE BLOCKING LAYER IN THE ELECTROMAGNETIC INDUCTION CONTROLLED AUTOMATED STEEL TEEMING SYSTEM**Speaker**

Dr Qiang Wang

19:20