

Session Program

13-15 Oct 2026



ICRF 2026 - 5th International Conference on INGOT CASTING, ROLLING & FORGING

Numerical Simulation, AI & Digital Innovation IV

Hotel Caesius Terme & SPA Resort - Bardolino - Verona
Via Peschiera, 3, 37011 Bardolino VR

Wednesday 14 October

11:00

Numerical Simulation, AI & Digital Innovation IV

Session | **Location:** Hotel Caesius Thermae & Spa Resort, Gardenia room, Via Peschiera, 3, 37011 Bardolino VR |
Convener: Cristian Viscardi

11:00-11:20

A CAD/CAE Integrated Simulation Method for the Hydraulic System of Forging Presses Based on Model Parameter Mapping

Speaker

Dr Zhiqiang He

11:20-11:40

An ICME-Enabled Digital Framework for Modeling of Microstructure Evolution during Industrial Steel Casting and Forging

Speaker

Chunhui Luo

11:40-12:00

LEVERAGING DOWNSAMPLING AND EXPERT SYSTEMS FOR DATA-DRIVEN PROCESS OPTIMIZATION IN THE FORGING INDUSTRY

Speaker

Georg Maier

12:00-12:20

Surrogate modeling of the cogging process in open die forging simulation

Speaker

Gustav Häggström

12:20-12:40

Revitalizing Lifecycle Support for Heavy Forging Equipment - Modernization and Upgrade Strategies for Existing Manipulator Systems

Speaker

Mr Jörg Blum

12:40