

Session Program

13-15 Oct 2026



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

Numerical Simulation, AI & Digital Innovation III

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

Wednesday 14 October

08:50

Numerical Simulation, AI & Digital Innovation III

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

08:50-09:10

Discrete Particle Modelling of Inclusion Transport and Localization in Bottom-Poured Ingots

Speaker

Arianna Gotti

09:10-09:30

Optimization of Hot Rolling Processes Using Temperature-Dependent Ductile Damage Modelling

Speaker

Chaouki TAHRI

09:30-09:50

Machine learning models to classify non-metallic inclusions in as-cast steel ingots

Speaker

Prof. Mu Wangzhong

09:50-10:10

Intelligent Integration of Reheating Furnace Control and Hot Rolling Process to Reduce Energy Losses and Delays in Steel Bar Manufacturing

Speaker

Gulvir Singh

10:10-10:30

AI-Driven Surface Inspection Enabling Automated Grinding of Forged Ingots

Speaker

Dr Hannu Suopajarvi

10:30