

Session Program

24-26 Mar 2025

13th International Tooling Conference - Tooling 2025

Materials, Properties & Microstructure

Grand Hotel Trento Piazza Dante
P.za Dante, 20, 38122 Trento TN, Italy

Monday 24 March

16:20

Materials, Properties & Microstructure

Session | **Location:** Grand Hotel Trento, Room 2 | **Convener:** Reinhold Schneider

16:20–16:40

Mechanical properties and thermal fatigue behavior of a novel hot work tool steel SDH68 for die casting applications

Speaker

Dr Bingchen Li

16:40–17:00

Innovation in advanced and sustainable prehardened steels: introducing Toolox 46 for high performance hot work tooling applications

Speaker

Dr Hadi Torkamani

17:00–17:20

Impact of retained austenite on the corrosion behavior of Martensitic stainless steels.

Speaker

Dr Krishnan Anantha

17:40

Wednesday 26 March

09:50

Materials, Properties & Microstructure

Session | **Location:** Grand Hotel Trento, Room 2

09:50–10:10

Investigation of microscopic non-metallic inclusions in powder metallurgical high-speed steels

Speaker

Mr Manuel Schickbichler

10:10–10:30

Low temperature reversed austenite in the AISI D2 matrix

Speaker

Paula Fernanda da Silva Farina

10:30

11:00

Materials, Properties & Microstructure

Session | **Location:** Grand Hotel Trento, Room 2

11:00–11:20

Study on the Precipitation Behavior of Carbide at Grain Boundaries during Quenching and Its Influence on the Service Performance of Die Steel

Speaker

Boya Wu

11:20–11:40

Influence of viscous dissipation on the wear behaviour of plastic mold steels in injection molding

Speaker

David Zidar

11:40–12:00

Investigation of factors influencing crack formation in cooling channels of injection moulds

Speaker

Horst Zunko

12:00–12:20

Martensitic stainless steel as coatings for continuous caster rolls

Speaker

Lucia De Bortoli

12:20