

13th International Tooling Conference - Tooling 2025

Monday 24 March 2025

Materials, Properties & Microstructure - Room 2 (14:30-15:50)

time	[id] title	presenter
14:30	[3] Effect of superfine pretreatment on carbides precipitation behavior of plastic S136 mould steel	Ms JIE, Zhou
14:50	[6] Effect of carbide precipitation along grain boundaries on the high-temperature service performance of 4Cr5Mo2V steel	WU, Boya
15:10	[9] Influence of viscous dissipation on the wear behaviour of plastic mold steels in injection molding	ZIDAR, David
15:30	[18] ASP@2008, a new PM-HSS for high performance forming tools with improved wear and chipping resistance	Dr SUNDIN, Stefan

Materials, Properties & Microstructure - Room 2 (16:20-17:20)

time	[id] title	presenter
16:20	[22] Investigation of factors influencing crack formation in cooling channels of injection moulds	ZUNKO, Horst
16:40	[23] Innovation in advanced and sustainable prehardened steels: introducing Toolox 46 for high performance hot work tooling applications	Dr TORKAMANI, Hadi
17:00	[25] Evolution mechanism of Mo-rich, B ₂ -NiAl, and Cu-rich particles under high temperature and its influence on thermal stability and thermal fatigue in a maraging hot work steel SDH88	PENG, Ruizhi

Wednesday 26 March 2025

Materials, Properties & Microstructure - Room 2 (09:30-10:30)

time	[id] title	presenter
09:30	[41] Research and development program as a solution for competitiveness of the Brazilian toolmaking sector	Dr BRAGA, Ana Paola Villalva
09:50	[26] Mechanical properties and thermal fatigue behavior of a novel hot work tool steel SDH68 for die casting applications	Dr LI, Bingchen
10:10	[28] Impact of retained austenite on the corrosion behavior of Martensitic stainless steels.	Dr ANANTHA, Krishnan

Materials, Properties & Microstructure - Room 2 (11:00-12:20)

time	[id] title	presenter
11:00	[29] Investigation of microscopic non-metallic inclusions in powder metallurgical high-speed steels	Mr SCHICKBICHLER, Manuel
11:20	[44] Low temperature reversed austenite in the AISI D2 matrix	DA SILVA FARINA, Paula Fernanda
11:40	[14] Research on laser cladding Fe-based alloy coating to enhance high-temperature friction and wear properties of H13 die steel	Mr CAO, Qizheng
12:00	[53] Martensitic stainless steel as coatings for continuous caster rolls	DE BORTOLI, Lucia