

13th International Tooling Conference - Tooling 2025

Tuesday 25 March 2025

Fatigue - Room 1 (14:00-15:20)

time	[id] title	presenter
14:00	[5] Influence of microstructure on fatigue life of cryogenically treated AISI H13 steel	SHINDE, Dr. Tarang Dr DHOKEY, N.B.
14:20	[16] Fatigue and life-time prediction resistance of low-alloy mould steels	Ms LACHAL, Marine
14:40	[30] Carbide-related effects on the fatigue behavior of high-strength tool steels in the field of cold work applications	HACKL, Alfred
15:00	[31] Effect of surface condition on high-cycle fatigue behavior of PM-HIPed high-nitrogen martensitic tool steel	Ms JAVADZADEH KALAHROUDI, Faezeh

Fatigue - Room 1 (15:50-17:30)

time	[id] title	presenter
15:50	[42] Microstructure, defects and fatigue response of high strength tool steels	CHANTZIARA, Katerina
16:10	[52] The propagation of short cracks near individual microstructural features studied in situ	WALCH, Lukas
16:30	[36] Influence of cleanliness, carbide size and hardness on HCF strength and fatigue mechanisms in carbide-rich cold-work tool steels	Mr TEGEDER, Frederik
16:50	[35] Fatigue strength in Additive Toolmaking: A study of Metal Binder Jetting and Electron Beam Melting for processing carbide-rich cold-work tool steels	Mr TEGEDER, Frederik
17:10	[63] Mean stress sensitivity for carbide-rich PM tool steels under axial and torsional loading	Mr SCHOLL, Lennart Mirko