

Session Program

25-27 Apr 2022

12th Tooling Conference & Exhibition - Tooling 2022

Microstructure, Properties & Performance

Conventum Conference Center
Olof Palmes torg 1, 702 22 Örebro, Sweden

Tuesday 26 April

10:40

Microstructure, Properties & Performance

Session | Location: TUNNBINDAREN | Convener: Joseph Domblesky

10:40–11:00

Effects of Carbide Morphology on the Mechanical Properties of Cr-Mo-V Cold Work Powder Metallurgical Tool Steel

Speaker

Dr Aydın Şelte

11:00–11:20

Wear behavior of roller-burnished high interstitial austenitic stainless steel parts in glass-reinforced plastic melt

Speaker

Dr Erik Forke

11:20–11:40

Influences of manufacturing-related microstructural variations on fatigue in carbide-rich tool steels

Speaker

Mr Lennart Mirko Scholl

11:40–12:00

On the sensitivity of a tool-workpiece-thermocouple to material properties

Speaker

Mr Philipp Tröber

12:00

14:00

Microstructure, Properties & Performance

Session | Location: TUNNBINDAREN | Convener: Jens Bergström

14:00–14:20

Influence of carbide types and amounts on the wear of graphite-containing alloys for work rolls

Speaker

Armin Paar

14:20–14:40

Characterization methods for mechanical properties and microstructural changes of tool materials at elevated temperatures

Speaker

Ms Kathrin Maier

14:40–15:00

Dry sliding tribological behaviour of cryotreated Cr-V ledeburitic tool steel against CuSn6 counterpart

Speaker

Venu Yarasu

15:00–15:20

Stainless steels for plastic mold frames featuring enhanced machinability

Speaker

Mr Philipp Niederhofer

15:20–15:40

Hot working tool steel with bainitic microstructure

Speaker

Hans-Günter Krull

15:40