

Session Program

5-6 May 2022

Integrated Computational Materials, Process and Product Engineering - IC-MPPE 2022

Hard metals and tools

Live Congress Leoben
Hauptpl. 1, 8700 Leoben, Austria

Thursday 5 May

13:20

Hard metals and tools

Session | **Location:** Peter Tunner Saal - Room 2 | **Convener:** Thomas Klünsner

13:20-13:40

Material testing methods for hammer drill bits

Speaker

Steven Moseley

13:40-14:00

High-temperature strain ratcheting limit stresses as a function of microstructure of WC-Co hardmetals under uniaxial cyclic loads under a stress ratio $R = -\infty$

Speaker

Kathrin Maier

14:00-14:20

Knowledge-based design of CVD Ti(B,N) hard coatings for cutting tools

Speaker

Dr Nina Schalk

14:20-14:40

Damage Mechanisms in Coated Cemented Carbide Tools

Speaker

Tamara Teppernegg

14:40