

Session Program

13-15 Nov 2024



Molybdenum Symposium 2024 - Mo4Steel 2024

THE POWER OF MOLY

Arcotel Wimberger
Neubaugürtel 34-36 Vienna, 1070 Austria

Thursday 14 November

08:30

THE POWER OF MOLY

Session | **Location:** Arcotel Wimberger, Neubaugürtel 34-36 Vienna, 1070 Austria | **Convener:** David Quidort

08:30–09:00

The power of Moly alloying - a brief history of sustainable steel metallurgy

Speaker

Hardy Mohrbacher

09:00–09:25

The role of molybdenum on microstructure evolution in low-carbon steels

Speaker

Matthias Militzer

09:25–09:50

Understanding of Molybdenum effects on the dynamic and static softening mechanisms in hot rolled low carbon steels: basic principles and processing implications

Speaker

Pello Uranga

09:50–10:15

The effect of Mo addition on hydrogen embrittlement in pipeline steels

Speaker

Magdalena Eskinja

10:15

10:45

THE POWER OF MOLY

Session | **Location:** Arcotel Wimberger, Neubaugürtel 34-36 Vienna, 1070 Austria | **Convener:** Matthias Militzer

10:45–11:10

The effect of molybdenum during hot rolling on the microstructure and mechanical properties of wear resistant steels

Speaker

Antti Kaijalainen

11:10–11:35

Interplay between alloying and tramp element effects on temper embrittlement in bcc iron: DFT and thermodynamic insights

Speaker

Mr Sakic Amin

11:35–12:00

Mo in steels - An ab initio perspective

Speaker

Werner Ecker

12:00–12:25

Passivity and repassivation mechanism of stainless steels containing molybdenum

Speaker

Prof. Markus Valtiner

12:25–12:50

Molybdenum, and essential element in tool steels

Speaker

Harald Leitner

12:50