

## **Session Program**

**21-23 Nov 2018**

# **Metal Additive Manufacturing Conference 2018**

## ***New Materials (II)***

Wirtschaftskammer Österreich, Julius Raab Saal  
Wiedner Hauptstraße 63 1045 Vienna, Austria

# Thursday 22 November

16:00

## New Materials (II)

**Session** |**Location:** Wirtschaftskammer Österreich, Julius Raab Saal, Wiedner Hauptstraße 63 1045 Vienna, Austria |**Convener:** Prof. Pavel Krakhmalev

16:00–16:20

### PRECIPITATION KINETICS DURING NON-LINEAR HEAT TREATMENT IN LASER ADDITIVE MANUFACTURING

**Speaker**

Mr Priyanshu Bajaj

16:20–16:40

### INFLUENCE OF POWDER CHARACTERISTICS ON FINAL PROPERTIES OF POWDER-BED LASER ADDITIVELY MANUFACTURED ODS Fe-14Cr STEEL

**Speaker**

Ms Elodie VASQUEZ

16:40–17:00

### DESIGNING A NOVEL Fe-Ni-Al-Ti MARAGING STEEL TAILOR-MADE FOR LASER METAL DEPOSITION

**Speaker**

Mr Philipp Kürnsteiner

17:00–17:20

### PROCESS AND ALLOY DESIGN FOR IN-SITU PRECIPITATION STRENGTHENING OF Al-Sc ALLOYS DURING LASER METAL DEPOSITION

**Speaker**

Mr Philipp Kürnsteiner

17:20–17:40

### SURFACE MULTIFUNCTIONALITY FOR ENHANCING FRICTION AND WEAR PERFORMANCE OF 3D PRINTED LIGHTWEIGHT COMPONENTS USING TECHNOLOGY HYBRIDS

**Speaker**

Dr Manel Rodriguez Ripoll

17:40