

Session Program

17-19 Oct 2023

Metal Additive Manufacturing Conference - MAMC 2023

Process- and Quality Control & Sustainability

WKO Vienna
Wiedner Hauptstraße 63, 1040 Vienna, Austria

Wednesday 18 October

11:30

Process- and Quality Control & Sustainability

Session | **Location:** WKO, 2. Saal 2 | **Convener:** Rudolf Gradingner

11:30-11:50

Prediction of internal defects by layer-by-layer surface texture measured using in-situ monitoring system in laser powder bed fusion additive manufacturing

Speaker

Dr Makiko Yonehara

11:50-12:10

Development of sensing luminescent layers by laser powder bed fusion for corrosion monitoring

Speaker

Christina Baslari

12:10-12:30

Automation as a Key Factor in LPBF Process Quality Assurance

Speaker

Vikas Veerakumar

12:30

14:00

Process- and Quality Control & Sustainability

Session | **Location:** WKO, 2. Saal 2 | **Convener:** Jurgen Stampfl

14:00-14:20

Analysis and energy modeling of metal additive manufactured parts based on standard tensile test samples

Speaker

Mr Joachim Brinkmann

14:20-14:40

Digitalisation of the Quality Infrastructure - Using the Example of Additive Manufacturing

Speaker

Dr Martin Epperlein

14:40-15:00

Importance of air humidity in characterizing powders for additive manufacturing

Speaker

Dr Marco Mitterlehner

15:00-15:20

The impact of minor changes in the chemical composition on the properties of an additively manufactured nickel-based superalloy and its response to hot isostatic pressing

Speaker

Dr Manfred Stadler

15:40