

Session Program

13-17 Sept 2021

**EUROPEAN CONGRESS AND EXHIBITION ON
ADVANCED MATERIALS AND PROCESSES -
EUROMAT 2021**

***G3_Additive manufacturing: from research to
industrial application***

Virtual

Wednesday 15 September

15:50

G3_Additive manufacturing: from research to industrial application

Session | Location: Room 14

15:50–16:10

Investigation of the selective laser melting fabricated H10 hot work tool steel for hybrid forging dies

Speaker

Mr Jochen Giedenbacher

16:10–16:30

Preliminary process landscape of a 3D printing center at point of care including regulatory aspects and constraints.

Speaker

Mr Philipp Url

16:30–16:50

Graphene-PLA Composites Additive Manufactured by FDM: Characterization and Statistical Analysis

Speaker

Dr Jose Brant de Campos

16:50

17:30

G3_Additive manufacturing: from research to industrial application

Session | Location: Room 14

17:30–17:50

Investigation of the suitability of AM simulation approaches and validation in the development of tools for use in the multi-stage deep drawing process

Speaker

Mr Bakir Mehic

17:50–18:10

Technology and process development for the industrial use of 3D-printed high-performance composites

Speaker

Franz Oswald Riemelmoser

18:10–18:30

Additive manufacturing of smart waveguide: comparison between three alloys, Bronze, Al-Si and ScAlmalloy

Speaker

Mr Samuel Unterhofer

18:30–18:50

Enhancing strength and ductility of AlSi10Mg fabricated by selective laser melting by TiB₂ nanoparticles

Speaker

Yakai Xiao

18:50