



Special insight in metallic powder characterizations

February 23rd, 2021

Online registration (11.45-11.55)

Opening remarks and welcome address
Prof. Dr. Patrick J. Masset (11.55-12.00)
Technallium, Germany

PRESENTATIONS

Surface Chemistry of Metal Powder and its Changes during Powder Bed Fusion Processing
Prof. Eduard Hryha (12.00-12.40)
Chalmers University of Technology, Göteborg, Sweden

Metal AM powders and moisture in the room
Dr. Peter Moir (12.40-1.20)
Relequa, Ireland

Powder purity and influence of foreign particles on the component quality
Max Horn (1.30-2.10)
Fraunhofer IGCV, Germany

Measuring and Understanding Powder Flow and Powder Behaviour
Jamie Clayton (2.10-2.50)
Freeman Technology, UK

How to link powder rheology to actual spreadability in a powder bed based AM process
Dr. Aurelien Neveu (3.00-3.40)
Granutools, Belgium

Analytics of Metallic Powders for AM – an overview
Claus Aumund-Kopp (3.40-4.40)
Fraunhofer IFAM, Germany

DISCUSSION

4.50-5.30 - Open discussion

Scope of the event

- Shape, composition, morphology, porosity, particle size distribution, moisture, flowability of powder materials are key features for many processes such as Additive Manufacturing (AM), Metal Injection molding (MIM), thermal spraying etc.
- All these topics will be addressed and reviewed by experts during this workshop. They will deliver a comprehensive approach of powder materials characterizations.
- This workshop is part of a series dedicated to powder materials for AM and provides an overview of the key issues in powders for AM but not only. The speakers will be a combination of academic and industrial leaders.
- Who should attend? Members from along the value chain such as program managers, technical experts and academia.
- There will be time for discussion and exchanges after the presentations, so attendees are encouraged to engage with the other attendees and speakers.

Registration

Prices*:

Industry: 250 € (early bird: 200 €)**

Academy: 150 € (early bird: 125 €)**

Students*: 100 € (early bird**: 75 €)**

* Note that prices are subject to VAT

** Until 12.02.2021

*** Copy of the registration certificate (Ph.D, undergraduates)

More information and registration:
<http://invirta.com/workshops/am/characterization>

