

**Dr. Marco Nock**

EOS GmbH Electro Optical Systems

Plenary talk

### **Laser Pro Fusion - High productivity polymer 3D printing**

The currently available laser-based 3D printing technologies on the market have concept-related limits in terms of productivity and costs. In the area of prototyping and for small quantities, this is usually sufficient.

For steps towards “Industry 4.0” however, new principles are needed. With the *LaserProFusion* technology, EOS sets new standards in productivity and costs, and considers in addition to the printing process, the entire process chain, from powder to the finished part.

### **About the speaker**

Dr. Marco Nock joined EOS GmbH in early 2019. He is heading the Innovation Management at EOS as well as the business unit “Systems”. In his management position at Innovation Management, he has a cross-functional responsibility for this worldwide acting department focusing on the pioneering innovation phases starting with systematic idea creation and ending with working prototypes as concept prove. In addition to that Dr. Nock is responsible for the product design of the polymer and metal 3D printers in his management role at the business unit “Systems”. Before joining EOS GmbH Dr. Nock acted in various management positions in innovation and service for Knorr-Bremse, the world-leading manufacturer for brake systems for rail and commercial vehicles, for 14 years. Dr. Nock studied mechanical engineering and did a PhD at the Chair of Manufacturing Technology of the University Erlangen-Nuremberg.