

## Factsheet Press Talk ISAM 2019

Fraunhofer Institute for Material and Beam Technology IWS  
Technische Universität Dresden  
Additive Manufacturing Center Dresden (AMCD)  
January 29, 2019

### 3rd International Symposium Additive Manufacturing (ISAM 2019)

The Fraunhofer Institute for Material and Beam Technology IWS, in cooperation with the Technical University of Dresden, is hosting the "International Symposium on Additive Manufacturing" (ISAM 2019) in Dresden for the third time from January 29 to 31 2019. Additive manufacturing, colloquially also known as 3D printing, is becoming increasingly important for industrial applications. Fascinating technical solutions coupled with exciting economic advantages are powerful drivers for R&D activities worldwide. Fraunhofer IWS Dresden is the pacemaker for industrial solutions using additive manufacturing. ISAM 2019 networks world's leading experts, users and newcomers and offers a platform for scientific and technical exchange on various aspects of additive manufacturing. ([www.isam.network](http://www.isam.network))

### Fraunhofer Institute for Material and Beam Technology IWS

The Fraunhofer Institute for Material and Beam Technology IWS in Dresden stands for innovations in laser and surface technology. Fraunhofer IWS offers one stop solutions ranging from the development of new processes to implementation into production up to application-oriented support. The fields of systems technology and process simulation complement the core competencies. The business fields of Fraunhofer IWS include PVD- and nanotechnology, chemical surface and reaction technology, thermal surface technology, additive manufacturing and printing, joining, laser ablation and cutting as well as microtechnology. The competence field of materials characterization and testing supports the research activities. (<https://www.iws.fraunhofer.de/>)

### Additive Manufacturing Center Dresden (AMCD)

The Additive Manufacturing Center Dresden is an internationally renowned competence center, interdisciplinarily developing materials and manufacturing solutions for challenging products. It has been established in close cooperation between Fraunhofer IWS, TU Dresden and DRESDEN-concept. The competence center offers an ideal networking platform for industry as well as basic university research at the TU Dresden and application-oriented research at the Fraunhofer IWS in a rapidly developing high-technology field. The focus is on the aerospace, automotive, power engineering, tool and mold manufacturing and on medical technology sectors. The broad process range includes laser build-up welding with both powder and wire, selective laser beam melting, electron beam melting and 3D printing. In addition, the partner scientists at AMCD develop materials, processes, systems engineering, sensor technology and online process diagnostics. (<https://www.iws.fraunhofer.de/amcd>)

### AGENT-3D

Leading research institutions, industry representatives and SMEs form a strategic alliance for research, innovation and growth in the AGENT-3D consortium with over 120 partners. The mutual goal aims at anchoring technological leadership in the central areas of additive manufacturing in Germany. The Federal Ministry of Education and Research is funding the project with up to 45 million euros within the framework of "Zwanzig20 – Partnerschaft für Innovationen". The participating industrial partners also provide financial support on a similar scale. AGENT-3D is therefore one of the most important major additive manufacturing projects in Europe. Prof. Dr. Christoph Leyens, Director of the Institute for Materials Science and Director of Fraunhofer IWS, and Dr. Elena López, Fraunhofer IWS, are heading the consortium based at AMCD. ([www.agent-3d.de](http://www.agent-3d.de))