



Deutsche Messe

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23 – 27 April 2018, Hannover, Germany

Status as of: 15 April 2018

4. Additive Manufacturing Symposium

GuidedTour „Additive Manufacturing“ Tour 2: English

Tuesday, 24 April 2018 / Tour start: Technology Academy, Pavilion 36

	3:00 - 3:30 p.m.	Technology Academy, Pavilion 36	Registration and distribution of headsets Tour 2: english	
1	3:45 - 4:00 p.m.	Hall 6 booth K01		HP Printing and Computing Solutions Calle José Echegaray 18 E - 28232 Las Rozas www.hp.com
	The new models, the JetFusion 380/580 3D Printers in full colour <p>HP Inc. offers 3D Printing solutions for additive manufacturing with plastics. The HP Multi Jet Fusion 3D Printers can be used for the design process, prototyping, as well as small series production. At HMI 2018 HP Inc. will be showing our whole portfolio of 3D Industrial printers: The HP MJF 3200/4200/4210 series. For the first time in Europe HP will also be showing the new models, the JetFusion 380/580 3D Printers, which are able to print functional Parts in full colour.</p>			
2	4:00 - 4:15 p.m.	Hall 6 booth K10		EOS Robert-Stirling-Ring 1 D-82152 Krailling/Munich www.eos.info
	Industrial 3D printing for serial production <p>Industrial 3D printing will be a key element of the digital factory. At the Hannover Messe, EOS addresses companies at any level of knowledge and experience. With inspiring success stories of customers EOS explains how additive manufacturing transforms business models, construction rules and supply chains. Among many other business cases they present the serial manufacturing of Siemens gas turbines, hydraulic components for the aerospace market and CE-certified prostheses for leg amputees.</p>			
3	4:15 - 4:30 p.m.	Hall 6 booth J10		ARBURG GmbH + Co KG Arthur-Hehl-Str. D-72290 Loßburg www.arburg.com/de/de/
	Additive Manufacturing of functional parts from standard plastic granulates <p>ARBURG shows with numerous parts from qualified standard granulates, that the freeformer is not only suitable for prototyping, but also for the industrial additive manufacturing of functional plastic parts in particular. At an interactive station, visitors are able to convince themselves of the parts' functionality and quality. The freeformer is an open system: The users can qualify their own materials and optimise the process parameters specifically to their specific application. In addition to amorphous standard granulates such as ABS, PA and PC, the ever-expanding range of materials qualified by ARBURG includes, for example, elastic TPE, medical grade PLLA und SEBS, PC approved for the aerospace industry, semi-crystalline PP as well as PMMA.</p>			



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	4:35 - 4:50 p.m.	Hall 6 booth J10	SIEMENS	Siemens AG Frauenauracher Str. 80 D-91056 Erlangen www.siemens.com/additive-manufacturing
4	Additive manufacturing accelerates the automotive industry - Real-life Example: Bugatti Chiron			
	<p>As Siemens PLM Software we will show a complete software solution for additive production with NX at our booth J30 in hall 6. NX enables the realization of a continuous process chain in one system, even for complex printing processes. The results are high-quality products manufactured as standard on additive manufacturing machines. Using the practical example of a Bugatti Chiron vehicle aerodynamic control system, we show you the performance of our solutions, from simulation-driven, generative design of bionic components to 3D pressure simulation and the production of thin-walled titanium components using the SLM process.</p>			
	4:45 – 5:00 p.m.	Hall 6 booth H18		CADFEM GmbH Marktplatz 2 D-85567 Grafing b. München www.cadferm.de/
5	Topology Optimization and Process Simulation for Additive Manufacturing			
	<p>Numerical simulations are closely linked to additive manufacturing processes. In addition to the synergies of simulation-based topology optimization with the flexible design options of additive manufacturing, the virtualization of the production process of the product also offers immense potential. Thus, it is the only practicable way to predict the thermal stresses created by the high local heat input during the melting process, i.e. to determine the resulting distortion of the component in advance and to avoid misprints. At the CADFEM stand, you will get a compact overview of the new ANSYS software solutions for additive manufacturing.</p>			
	5:05 - 5:20 p.m.	Hall 6 booth J05	 3D SYSTEMS™	3D Systems 333 Three D Systems Circle Rock Hill, South Carolina 29730 www.3dsystems.com/
6	From Prototyping to Production With 3D Systems Additive Manufacturing Solutions			
	<p>3D Systems is showcasing industrial-grade, hardware and software additive manufacturing solutions for plastics and metals that enable companies to bring more innovative design and on demand product delivery to their manufacturing operations. This can be achieved with 3D printed prototypes, jigs and fixtures, moulds and final production parts. Included at the 3D Systems stand will be the new SLA-based Figure 4 modular production solution enabling digital molding and the entry-level FabPro 1000 for quality, highly affordable rapid prototyping. On the software side you'll see demonstrations of 3D Sprint and 3D Xpert solutions to optimize plastics and metal 3D printing respectively.</p>			
	5:20 - 5:30 p.m.	Return of Headsets/Receiver at Convention Center, Foyer area		