



Medical Device Manufacturing (MDM) Conference, *organised in collaboration with Fraunhofer IPA*

Location: Room W1 - W2

Date: 17 April, 2018

Time: 10:00 – 16:30

After a successful inaugural edition at Medtec Europe 2017, the MDM conference returns for 2018 to offer Medtec Europe attendees high-level content focused on innovations in medical device manufacturing. The conference looks to address significant changes within the med tech market in relation to process and assembly, due to a growing requirement for more customized solutions.

Registration on-site: 390 EUR

Agenda

	Room 1	Room 2
10:00- 10:50	<p>10:00 - 10:15 Opening Session <i>Günther Leßnerkraus</i></p> <p>10:15 – 10:20 Welcoming note <i>Dr. Urs Schneider</i></p> <p>10:20 – 10:50 Key Note: New approaches to manufacturing of polymer based implants <i>Birgit Glasmacher, Univ. Hannover</i></p>	
	<p>10:50 – 12:30 Manufacturing of customized medical devices I (technologies) (Chair: Okan Avci)</p>	
	<p>10:50 – 11:10 Customized medical devices and the Stuttgart Leistungszentrum Mass Customization</p>	

	<p><i>Okan Avci, IPA</i></p> <p>11:10 - 11:30 Piece one production in medical textiles <i>Andreas Lauth, Bauerfeind AG</i></p> <p>11:30 – 11:50 Digital unterstützter Herstellungsprozess einer individuell angepassten Vorfußprothese aus Carbon-Faserverbund <i>Steffen Matyssek, HS Ulm</i></p> <p>11:50 – 12:10 Towards personalizable regeneration of cartilage tissue <i>Kirsten Borchers, IGB</i></p> <p>12:10 – 12:30 Personalization of virtual biomechanical model of human mandible with an application to dental surgical treatment by using patient-specific prosthesis <i>Domantas Ozerenskis, Ortho Baltic</i></p>	
13:30 – 14:30	Manufacturing of customized medical devices II (organisation) (<i>Chair:Dr. Urs Schneider</i>)	Medical manufacturing + assembly innovations (<i>Chair: Jean-Marc Belot</i>)
	<p>13:30 – 13:50 Additive Manufacturing of Patient Specific Medical Products - a Regulatory Jungle <i>Antonia Margarethe Horst, Queensland University</i></p> <p>13:50 – 14:10 Integration of sensing devices assembly into patient specific implants for neurophysiology Big data acquisition and processing <i>Maxime Maugeon, Ortho Baltic</i></p>	<p>13:30 – 13:50 Strategies for Anti-Microbial Implants <i>Michaela Müller, IGB</i></p> <p>13:50 – 14:10 How Additive Manufacturing (3D printing) revolutionize dental implant from design, pre-clinical tests to production <i>Jean-Jaques Fouchet, Z3DLAB SAS</i></p>

	<p>14:10 – 14:30 Economy by Speed - How closed Loop Intervention Systems help to make Advanced Clinical Therapy Processes affordable <i>Christian Reis, IPA Mannheim</i></p>	<p>14:10 – 14:30 Traceability of Medical Devices by Laser Marking <i>Florian Kanal, Trumpf GmbH</i></p>
	<p>14:30 – 15:50 Medical Manufacturing process aspects <i>(Chair: Felix Capanni)</i></p>	<p>14:30 – 16:10 Medical manufacturing + assembly innovations <i>(Chair: Peter Pott)</i></p>
	<p>14:30 - 14:50 Enhancing supply chain quality of drug delivery devices through smart packaging <i>Egmont Semmler, Groninger & Co.GmbH</i></p> <p>14:50 - 15:10 Advanced Operations - Im Spannungsfeld zwischen Produktentwicklung und Produktion <i>Christoph Sauerbier, Stryker Global Supply</i></p> <p>15:10 - 15:30 Herausforderungen des Contract Manufacturing in der Medizintechnik <i>Dominik Biersack, Biersack Technologie</i></p> <p>15:30 - 15:50 Memocorby - a multisensory, digital language tool for health 4.0 <i>Nikolaus Kerö, Memocorby Systems</i></p>	<p>14:30 – 14:50 Progress and innovations of Carnot institutes, and in particular of Cetim, in Manufacturing for medical industry <i>Jean-Marc Belot, CETIM</i></p> <p>14:50 - 15:10 De-powdering of lattice structure of medical devices <i>Cathy Matos Da Silva, CETIM</i></p> <p>15:10 - 15:30 Effect of tool electrode size and pulse energy on surface integrity of medical implant in electrical discharge milling <i>Viet Bui, TU Chemnitz</i></p> <p>15:50 - 16:10 Electrospinning & Bioprinting in medical engineering <i>Svenja Hinderer, NMI Reutlingen</i></p> <p>16:10 - 16:30 Printed electronics: a key enabler for innovative medical applications <i>Wim Christiaens, Quad Industries</i></p>

15:50 – 16:30	Medical manufacturing + assembly innovations (<i>Chair: Felix Capanni</i>)	
	<p>15:50 – 16:10 The Synergy of Conventional Ceramic Forming and Electronic Device Manufacturing Process to Develop Hermetic Braze-less Feedthroughs for Miniature and Low-profile Implantable Medical Devices <i>Abhishek Patnaik, Morgan Advanced Materials</i></p> <p>16:10 – 16:30 Biomaterial based toxic gas sensor using microwave resonant cavity <i>Sahib Babae Tooski, Iran Elite Young Researcher Club</i></p>	