

# Medical Device Manufacturing Conference 2018

17. April 2018, Messe Stuttgart

General Chair: Urs Schneider

## 10:00 Uhr - Conference Start

10:00 Uhr	Grüßwort Günther Leßnerkraus
10:15 Uhr	Willkommenswort Urs Schneider
10:20 Uhr	Key Note: New approaches to manufacturing of polymer based implants; Birgit Glasmacher, Univ. Hannover

10:50 Uhr	Session 1	Topic	Chair	Speaker
10:50 Uhr	Manufacturing of customized medical devices I (technologies)	Customized medical devices and the Stuttgart Leistungszentrum Mass Customization	Okan Avci	Okan Avci, IPA
11:10 Uhr		Piece one production in medical textiles		Andreas Lauth, Bauerfeind AG
11:30 Uhr		Digital unterstützter Herstellungsprozess einer individuell angepassten Vorfußprothese aus Carbon-Faserverbund		Steffen Matyssek, HS Ulm
11:50 Uhr		Towards personalizable regeneration of cartilage tissue		Kirsten Borchers, IGB
12:10 Uhr		Personalization of virtual biomechanical model of human mandible with an application to dental surgical treatment by using patient-specific prosthesis		Domantas Ozerenski, Ortho Baltic

## 12:30 Uhr - 13:30 Uhr - Lunch

13:30 Uhr	Session 2 - Room 1	Topic	Chair	Speaker
13:30 Uhr	Manufacturing of customized medical devices II (organisation)	Additive Manufacturing of Patient Specific Medical Products - a Regulatory Jungle	Urs Schneider	Antonia Margarethe Horst, Queensland University
13:50 Uhr		Peculiarities of design and quality validation in patient-specific joint endoprosthesis: manufacturer's perspective		Ignas Gudas, Ortho Baltic
14:10 Uhr		Integration of sensing devices assembly into patient specific implants for neurophysiology Big data acquisition and processing		Maxime Maugeon, Ortho Baltic
14:30 Uhr		Economy by Speed - How closed Loop Intervention Systems help to make Advanced Clinical Therapy Processes affordable		Christian Reis, IPA Mannheim
14:50 Uhr	Session 3 - Room 1	Topic	Chair	Speaker
14:50 Uhr	Medical Manufacturing process aspects	Enhancing supply chain quality of drug delivery devices through smart packaging	Felix Capanni	Egmont Semmler, Groninger & Co.GmbH
15:10 Uhr		Advanced Operations - Im Spannungsfeld zwischen Produktentwicklung und Produktion		Christoph Sauerbier, Stryker Global Supply
15:30 Uhr		How to create personalized innovations in medtech via collaborative networks		Günther Würtz, Steinbeis University
15:50 Uhr		Herausforderungen des Contract Manufacturing in der Medizintechnik		Dominik Biersack, Biersack Technologie
16:10 Uhr		Memocorby - a multisensory, digital language tool for health 4.0		Nikolaus Kerö, Memocorby Systems
16:30 Uhr	Medical manufacturing + assembly innovations	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	Felix Capanni	Abhishek Patnaik, Morgan Advanced Materials

13:30 Uhr	Session 4 - Room 2	Topic	Chair	Speaker
13:30 Uhr	Medical manufacturing + assembly innovations	Fully automatic assembling of dialysis valves	Jean-Marc Belot	Philipp Höllein, Rausch und Rausch GmbH
13:50 Uhr		Strategies for Anti-Microbial Implants		Michaela Müller, IGB
14:10 Uhr		How Additive Manufacturing (3D printing) revolutionize dental implant from design, pre-clinical tests to production		Jean-Jaques Fouchet, Z3DLAB SAS
14:30 Uhr		Traceability of Medical Devices by Laser Marking		Florian Kanal, Trumpf GmbH
14:50 Uhr	Session 4 - Room 2	Topic	Chair	Speaker
14:50 Uhr	Medical manufacturing + assembly innovations	Progress and innovations of Carnot institutes, and in particular of Cetim, in Manufacturing for medical industry	Peter Pott	Jean-Marc Belot, CETIM
15:10 Uhr		De-powdering of lattice structure of medical devices		Cathy Matos Da Silva, CETIM
15:30 Uhr		Effect of tool electrode size and pulse energy on surface integrity of medical implant in electrical discharge milling		Viet Bui, TU Chermnitz
15:50 Uhr		Electrospinning & Bioprinting in medical engineering		Svenja Hinderer, NMI Reutlingen
16:10 Uhr		Printed electronics: a key enabler for innovative medical applications		Wim Christiaens, Quad Industries
16:30 Uhr		Biomaterial based toxic gas sensor using microwave resonant cavity		Sahib Babaee Tooski, Iran Elite Young Researcher Club