

Course Programme

Day 1: 7th March

08:00	Registration / Introduction	
08:10	3D Customized Triflanged Acetabular Cup in Revision Total Hip Arthroplasty, A Game Changer for Revision Arthroplasty Surgeons	Syed Shahid Noor
08:35	3D Printed Implants in Treatment of Advanced Bone Tumors - a Chance or a Disaster?	Daniel Kotrych
09:00	Addressing Clinical-Technical Challenges: Choosing Materials for In-Hospital 3D Printed Medical Devices	Laura van Ginkel
09:25	Patient Specific Implants in Orthognathic Surgery	Majeed Rana
09:50	Controversies in Computer-Assisted Jaw Reconstruction	Richard Su
	Mid-day Session	
16:00	Interesting Case with Bites - #1 - Customized Sternal Prosthesis	
16:15	Interesting Case with Bites - #2 - Customized Hill Sachs Prosthesis	
16:30	Interesting Case with Bites - #3 - Customized Periorbital Mesh	
16:45	Interesting Case with Bites - #4 - Treatment of Craniosynostosis with Resorbable Metal	
17:00	Interesting Case with Bites - #5 - Computational Prediction of 3D Printed Titanium Spine and Trauma Implants in Bone	
17:20	Additive Manufacturing of Hip Implants for the Optimisation of Biomechanical Properties	Lena Risse
17:45	Patient-Specific Computational Optimization of Locking Plates for Improved Fracture Fixation	Peter Varga
18:10	Customized Fracture Fixation Plates	Rahat Jarayabhand
18:35	Patient Specific Implants - an Inhouse Solution	Sat Parmar
19:00	Customized Implants and Patient Specific Surgical Guides in Facial Reconstruction	Alexander Schramm

Day 2: 8th March

08:00	Registration / Introduction	
08:10	Challenges and Opportunities for Additive Manufacturing of Implants	Mika Salmi
08:35	Additive Manufacturing of NiTi Shape Memory Architected Structures for Biomedical Applications	Mehrshad Mehrpouya
09:00	Metallic 3D Printed Limb and Pelvic Bone Reconstructions	Hyun-Guy Kang
09:25	Custom Shoulder Joint Revision Prosthesis	Simon Lambert
09:50	Challenges and Considerations for Making the Pathway of Customized Implants a Sustainable Solution	Michael Schütz
	Mid-day Session	
16:00	Free Paper with Bites - #1 - TBC	
16:15	Free Paper with Bites - #2 - TBC	
16:30	Free Paper with Bites - #3 - TBC	
16:45	Free Paper with Bites - #4 - TBC	
17:00	Free Paper with Bites - #5 - TBC	
17:20	Polishing and Surface Treatment of Implants	Jordi Gasulla (GPA Innova)
17:45	Advantages of CAD-CAM-miniplates in Combination with Free Flaps in Defects of the Facial Skeleton	Max Heiland
18:10	Patient-Specific Planning and Reconstruction of Jaw Defects	Christos Perisanidis
18:35	From Concept to Care: Personalized Solutions through Point-of-Care 3D Printing	Neha Sharma
19:00	Raw Materials in Medical Metal AM	Sandvik

Day 3: 9th March

08:00	Registration / Introduction	
08:10	Patient Specific Replacement of Small Bones in the Hand and Wrist	Frederik Verstreken
08:35	3D Printed Orthopaedic Implants in China - Legislation and the Latest Development	Hong Cai
09:00	Temporomandibular (TMJ) and Extended TMJ Reconstruction. Development, Limitations and Future	Marius Bredell
09:25	Techniques I Use to Quickly Create a Draft Prosthesis Mesh Using Freeware	Christian Fang
09:50	Enabling Surgical Innovation Using AM	Ian Gibson
	Break	
10:30	TBC - Engineering	Mazher Iqbal Mohammed
10:55	What Are the Main Clinical Hurdles with AM Custom Implants	Raymond Yau
11:20	3D Printing in Oncology: First Experience in Pelvic Ring Reconstruction in Kazakhstan	Gani Serikbayev
11:45	Post-Processing Technology for Medical Metal AM Parts	Igor Drstvenšek
12:10	Enhanced Quality and Complexity of 3D metallic Printing- Sodick's Additive Manufacturing Technology	Sodick
12:35	Wrap-up	

Chairpersons



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