



ORTHOMANUFACTURE 2023 "Innovating around orthopedic implants"



CONFERENCES PROGRAM - April 26th, 2023

The needs from surgeons and innovations about implants (moderator Sylvain Hugon)

Schedule	Topics presentation	Speakers	Organism	Country	Speaking
08h30-09h00	Welcome, chat, coffee				
09H00-09H05	Introduction	Sylvain Hugon Professeur	HEIG-VD	CH	Eng
09H05-09H30	Vaud : a hub of innovation in the heart of the Swiss Health Valley	Raphaël Conz Responsable de l'Unité Entreprises	Canton de Vaud	CH	Eng
09H30-10H00	Salvage solutions for failed total ankle replacement	Pr. Dr. Med. Xavier Crevoisier Chef de Service Orthopédie et Traumatologie	CHUV	CH	Eng
10H00-10H30	Ultra precise positioning tools for surgery	David Petter Business Developer	AtracSys	CH	Fr/Eng
10H30-11H00	Coffee break				
11H00-11H20	New surgical planning strategy	Ernesto Durante - CTO Julien Von Sibenthal - CEO	SeedImpulse	CH	Eng
11H20-11H40	Smart Bone: from in-vitro modelling of IVD damage to in-vivo monitoring using implanted sensors	Diane Letroit & Jérémy Dissier	CSEM	CH	Eng
11H40-12H00	R-evolution in maxillo-facial surgery with 3D printing	Pr. Dr. Martin Broome Médecin chef Chirurgie Orale et Maxillo-Faciale	CHUV	CH	Eng
12H00-12H30	Effect of targeted passive vibratory stimulation on the recovery process in the post-surgical phase	Dr. Francis Degache PhD - Head of Sports Sciences Department	Audiovitality	CH	Eng
12h30-14h00	Lunch				
Smart implants (moderators Jean Geringer -Sylvain Hugon)					
14H00-14H30	Design and manufacturing of electronic assemblies: Quality tools available to manufacturers of implantable MDs	Pierre Rogé Founder&Director	CapQua Sàrl	CH	Eng
14H30-15h00	Requirements applicable to smart medical devices	Philippe Sissoko Managing Director	Eurofins	FR	Eng
15h00-15H30	Electronic device in knee implants	Liz Leconte Chef de Projet	SLS	FR	Eng
15h30-16H30	Coffee break				
Innovations in implants production technologies (moderator Sylvain Hugon)					
16H30-16H50	Biodegradable magnesium implants: PEO-coating improves pre-clinical outcome	Dr. Thomas Imwinkelried Senior Scientist	RMS Foundation	CH	Eng
16H50-17H10	Use of supercritical CO2 in milling	Erik Poulsen Medical Market Segment Manager	GF Machining Solutions	CH	Eng
17H10-17H30	Digitization of production monitoring	Rachida Benferhat Sales Engineer	CT Infodream	FR	Eng
17H30-17H50	Improving the fatigue resistance of implantable screws produced by additive manufacturing	Randoald Muller Professeur	HEIG-VD	CH	Eng
17H50-18H15	Electropolishing of Titanium – Towards a possible industrialization ?	Dr. Clément Cremmel Head Of Research And Development	KKS	CH	Eng



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3D manufacturing (moderator Jean Geringer & Sylvain Hugon)

Schedule	Topics presentation	Speakers	Organism	Country	Speaking
08h00-08h30	Welcome, chat, coffee				
08H30-08H50	Innovation through design and processing of medical grade alloys	Vaclav Pejchal Additive Manufacturing Manager	CSEM	CH	Eng
08H50-09H10	Multi-processes finishing	Martin Jay CEO	Politechno	FR	Eng
09H10-09H30	Preparing for coating and finishing of 3D printed implants	Ryan Ashworth Head of Sales & Marketing	Vapormatt	UK	Eng
09H30-9H50	EBM technology : latest advancements for MDs	Vincent Deborde Senior Sales Manager	GE ADDITIVE	CH	Eng
09H50-10H20	Coffee break				
10H20-10H50	New Bio materials and bio functional implants made by additive manufacturing : from design to qualification	Konstantin Sipos Directeur	Rescoll	FR	Eng
10H50-11H20	Additive manufacturing strategy to mimick 317L. Tribocorrosion impact on mechanical and electromechanical properties	Jean Geringer Professeur	Mines St-Etienne	FR	Eng
11H20-12H00	3D printed parts controls	Frank Thibault Product Specialist	Carl Zeiss	DE / FR	Eng
12H00-14H00	Lunch				
Regulatory affairs-MDR (moderator Jean Geringer)					
14H00-14H30	RDM impact in the relations UE/Switzerland	Daniel Delfosse Head of Regulation & Innovation	Swiss Medtech	CH	Eng
14H30-15H00	How to perform cleaning validations of reusable medical devices after the publication of ANSI/AAMI ST98:2022	Katleen Peymen Study Director Healthcare Reprocessing	Nelson Labs	BE	Eng
15H00-15H30	WORLDWIDE ORTHOPEDIC MARKET & TECHNOLOGY 2026 OUTLOOK AND KEY TRENDS What are the challenges and winning strategies for the orthopedic industry ?	Ali Madani CEO	Avicenne	FR	Eng
15H30-16H00	Coffee break				
16H00-16H30	Ongoing regulation on implants	Clémentine Conraux Consultante Réglementaire et Conformité Produit	Nexialist	FR	Eng
16H30-17H00	Hints & Tips for Orthopaedic Device MDR Technical Documentation	Thomas Miramond Senior Regulatory	NAMSA	FR	Eng
17H00-17H30	Augmented Reality and Software support in Orthopaedic surgery: best approaches to get your devices to Europe and US	Stefano Adami Senior consultant	Confinis	CH	Eng
17h30-18H00	From EU MDR to Chinese NMPA	Antonio - Liang Li CEO	NMPA	China	Eng