

Surgical Innovations: Robotics and AI (moderator Pierre-Yves Sturbaut)

Topics presentation	Speakers	Organism	Country	Speaking
Welcome, chat, coffee				
Introduction	Pierre-Yves Sturbaut R&D Manager	STRYKER (SERF) Lyon	FR	Eng
Robots tips and tricks : any future ?	Dr. Bertrand Semay Ortopedics Surgeon	Johnson & Johnson Clinical Research	FR	Eng
Pro and cons on robots	Dr. Claude Rieker Managing Director - Founder	Orthosave	CH	Eng

Coffee break

AI in Development and Manufacturing of Implants (moderator Pr. Jérôme Pousin)

Patient-specific models for diagnosis, intervention and therapy	Dr.-Ing. Elin Theilen Principal Scientist & Senior Product Manager	Fraunhofer Institute Digital Med. MEVIS	D	Eng
Robotics data management	Adam Henderson Lead Data Scientist Robotic AI	ZIMMER - BIOMET	CH	Eng
AI : regulatory news	Claire Picard Certification Project Manager & Product Reviewer	GMED	FR	Eng
AI : An example of application in spine implants	Gael Volpi CEO - Founder	Spine DynamiX	FR	Eng

Lunch

Cells Culture of Articial Cartilage (moderator Pr. Jérôme Pousin)

Cartilage – all you must know about it before to replace it	Pr. Laurent Obert Orthopaedics Surgery Professor	CHU de Besançon	FR	Eng
Orthobiology: toward the new generation of implant materials	Dr. Christopher Leon-Valdivieso Bioprinting Research Engineer	CARTIGEN CHU Montpellier	FR	Eng
Use of electrospun materials in orthobiology	Lars Markwort, PhD/CEO	Bioinicia Fluidnatek	E	Eng

Coffee break

Strategic Raw Materials and Economics (moderator Pr. Jérôme Pousin)

Global analisys of strategic raw materials for implants and instruments		BRGM/OFREMI	FR	Eng
Strategic view of metallurgy suppliers for medical devices	Bruno Jacquemin Délégué général	A3M - Fédéd. Prof. des mines et métallurgie	FR	Eng
World production capacities of materials for implants and instruments : influence on costs	Olivier Vidal	ISTerre - Université Grenoble-Alpes	FR	Eng
Worldwide Orthopedic market & technology 2030 Outlook and key trends	Ali Madani CEO - Founder	AVICENNE Paris	FR	Eng

Innovations in 3D Technologies (moderator Pr. Sylvain Hugon)

Topics presentation	Speakers	Organism	Country	Speaking
Design thinking of orthopaedics implants	Didier Guillon Cottard Founder	Wimplulse	FR	Eng
Lithography base Metal Manufacturing (LLM) in orthopaedics	Denise Modder Head of Application Engineer	Incus	AU	Eng
How to finish your 3D printed implants ?	Martin Jay CEO - Founder	Politechno	FR	Eng
Business market access limitations of 3D implants	Claude Rieker Managing Director - Founder	Orthosave	CH	Eng
Round table discussion	Pr. Sylvain Hugon Professor	HEIG-VD	CH	Eng

Coffee break

Ecological Constraints in Implants (Dr. Daniel Delfosse)

Eco development in implants and instruments manufacturing	Daniel Delfosse Vice Director, Head of Regulation & Innovation	SWISS MEDTECH	CH	Eng
Green oils for implants machining		BLASER	CH	Eng

Lunch break

Technological Innovation (Pr. Sylvain Hugon)

Ceramic injection moulding for the manufacture of implants using the example of dental implants	Dr.-Ing. Sabine Begand Head of Department Oxide Ceramics	Fraunhofer Institut IKTS	D	Eng
Avoiding peri-implantitis through coating on dental implants		Sao Paulo University	BRA	Eng
New analysis of grain size in implantable alloys		RMS	CH	Eng
Machining of 3d printed components under CO2	René Benninger Business Development Manager MedTech & Product Manager	BUMOTEC STARRAG GROUP	CH	Eng
Machining by laser	Philippe Chavanne Sales Manager	SABATO GROUP	CH	Eng