

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

#	Schedule	Topics presentation	Speakers	Organism	Country	Speaking
	08h30-08h45	Welcome, chat, coffee				
1	08h45-08h50	Introduction	Pierre-Yves Sturbaut R&D Manager	STRYKER (SERF) Lyon	FR	Eng
2	08h50-09h20	Robots tips and tricks : any future ?	Dr. Bertrand Semay Orthopedics Surgeon	Johnson & Johnson Clinical Research	FR	Eng
3	09h20-09h50	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 Poucin)

4	10h20-10h50	Patient-specific models for diagnosis, intervention and therapy	Dr.-Ing. Elin Theilen Principal Scientist & Senior Product Manager	Fraunhofer Institute Digital Med. MEVIS	D	Eng
5	10h50-11h20	Robotics data management	Adam Henderson Lead Data Scientist Robotic AI	ZIMMER - BIOMET	CH	Eng
6	11h20-11h50	AI : regulatory news	Claire Picard Certification Project Manager & Product Reviewer	GMED	FR	Eng
7	11h50-12h20	AI : An example of application in spine implants	Gael Volpi CEO - Founder	Spine Dynamix	FR	Eng

Lunch

Ecological Constraints in Implants (Dr. Daniel Delfosse)

8	13h30-14h00	Sustainable implants? What you have to do (and what not)	Daniel Delfosse Vice Director, Head of Regulation & Innovation	Delfosse Medtech Consulting GmbH	CH	Eng
9	14h00-14h30	Sustainable cutting oils - Segment Medical	Roger Brügger Product Manager Neat Oils	BLASER SWISSLUBE	CH	Eng
10	14h30-15h00	The historical background of green developments in washing agents for implants and instruments cleaning	Patrick J. DUCHI Worldwide Senior Cleaning Expert	INVENTEC-DEHON	CH	Eng

Coffee break

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

11	15h30-16h00	Global analysis of strategic raw materials for implants and instruments	Paul NOTOM Minerals Resources Market Analyst	BRGM/OFREMI	FR	Eng
12	16h00-16h30	Strategic view of metallurgy suppliers for medical devices	Bruno Jacquemin General Delegate	A3M - Minerais, Minéraux et Métaux	FR	Eng
13	16h30-17h00	World production capacities of materials for implants and instruments : influence on costs	Olivier Vidal	ISterre - Université Grenoble-Alpes	FR	Eng
14	17h00-17h30	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)

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15	09h00-09h15	Design thinking of orthopaedics implants	Didier Guillon Cottard Founder	Wimpulse	FR	Eng
16	09h15-09h30	Customized biomedical parts with Lithography-based Metal Manufacturing	Denise Mödder Head of Application Engineer	Incus	AU	Eng
17	09h30-09h45	How to finish your 3D printed implants ?	Martin Jay CEO - Founder	Politechno	FR	Eng
18	09h45-10h00	Business market access limitations of 3D implants	Claude Rieker Managing Director - Founder	Orthosave	CH	Eng
19	10h00-10h30	Round table discussion	Pr. Sylvain Hugon Professor	HEIG-VD	CH	Eng

Coffee break

Cells Culture of Artificial Cartilage (moderator Pr. Jérôme Poucin)

20	11h00-11h30	Cartilage – all you must know about it before to replace it	Pr. Laurent Obert Orthopaedics Surgery Professor	CHU de Besançon	FR	Eng
21	11h30-12h00	Orthobiology: toward the new generation of implant materials	Christopher Leon-Valdivieso, PhD Bioprinting Research Engineer	CARTIGEN CHU Montpellier	FR	Eng
22	12h00-12h30	Use of electrospun materials in orthobiology	Lars Markwort, PhD/CEO	Bioinicia Fluidnatek	E	Eng

Lunch break

Technological Innovation (Pr. Sylvain Hugon)

23	14h00-14h30	Ceramic injection moulding for the manufacture of implants using the example of dental implants	Dr.-Ing. Sabine Begand / Head of Department Oxide Ceramics & Dr. Sebastian Spange / Group Leader	Fraunhofer Institut IKTS	D	Eng
24	14h30-15h00	Advanced characterization of calcium phosphate bioceramics	Christoph Stähli, PhD, MSc EPFL Senior Scientist	RMS	CH	Eng
25	15h00-15h30	Does CO2 cooling provide a real added value in the finishing of 3D printed parts ?	René Benninger Business Development Manager MedTech & Product Manager	BUMOTEC STARRAG GROUP	CH	Eng
26	15h30-16h00	Machining by laser	Beat Jäggi Expert Laser Femtoseconde	SABATO GROUP	CH	Eng
27	16h00-16h30	Curing peri-implantitis : Dream or reality....	MD Dr. João Pedro DOS SANTOS SILVA	Sao Paulo University	BRA	Eng