



Workshop 6th December 2023

08:30 - 09:00	Welcome
09:00 - 09:05	Introduction
09:05 - 09:15	
09:15 - 09:30	
09:30 - 10:10	INVITED TALK : Bikramjit BASU - Indian Institute of Science - Bangalore (IND): 3D Printing of implantable biomaterials: Scientific understanding of process science and future scope
10:10 - 10:35	INVITED TALK : France LAMBERT - UPERIO - CHU Liège (BE): Current and future perspectives in intra-oral bone augmentation
10:35 - 11:00	Coffee break/poster session
11:00 - 11:25	INVITED TALK : Andrea ZOCCA - BAM - Berlin (DE): An overview of ceramic AM with focus on bioceramics and powder bed technologies
11:25 - 11:45	Damien COIBION - GREENMAT - Univ. Liège (BE): Bio-based Hydroxyapatite Powder for Stereolithography of Bone Scaffolds
11:45 - 12:05	Farid SALARI - CONCR3DE - Rotterdam (NL): Binder jetting 3D printing of porous Poly(L-lactide)- hydroxyapatite scaffolds intended for use in bone tissue engineering applications
12:05 - 13:30	Lunch
13:30 - 13:55	INVITED TALK : Hamada ELSAYED - Ind. Eng. - Univ. Padova (IT): Advanced Additive Manufacturing of Biosilicate® Glass-ceramic Scaffolds
13:55 - 14:15	Eric SCHWARZER-FISCHER - IKTS - Dresden (DE): Novel approach for silicon nitride-based finger joints additively manufactured via vat photopolymerization (CerAM VPP) technology
14:15 - 14:35	Grégory NOLENS - CERHUM - Liège (BE): Patient specific 3D bone graft for facial reconstruction: preclinical and clinical outcomes
14:35 - 15:00	Coffee break/poster session
15:00 - 15:25	INVITED TALK : Anne LERICHE - CERAMATHS-DMP - Université Polytechnique Hauts-de-France, Valenciennes (FR): 3D technology and antibacterial post-treatments: the process for the future manufacturing of bone substitutes?
15:25 - 15:50	INVITED TALK : Eamonn DEBARRA - BERNAL - Univ. Limerick (IE): Recent Developments in CaP Cements of Potential Relevance to Additive Manufacturing Bioceramics
15:50 - 16:10	Enrique JUSTE/Stéphane HOCQUET - CRIBC - Mons (BE): Comparison of SLA/PAM calcium phosphate parts for bone tissue engineering
16:10 - 16:30	Rosa MARTIN RODRIGUEZ - CSIC-ICV - Madrid (ES): Integrating bioelectric signaling into 4D hybrid scaffolds for enhanced bone regeneration
16:30 - 16:50	Carlos MOLPECERES - Centro Láser UPM, U. Madrid (ES): Laser bioprinting using BA-LIFT: from single cell to tissue engineering
16:50 - 17:10	Transport Van der Valk - BCRC
17:10 - 18:30	Visit of BCRC
18:45 - 19:00	Transport BCRC - Van der Valk
20:00 - 23:30	Gala Dinner

Workshop 7th December 2023

09:00 - 09:25	INVITED TALK : Maartijn VAN GRIENSVEN - MERLN - Univ. Maastricht (NL): Additive manufacturing using polycaprolactone in combination with stem cells and morphogens for bone regeneration
09:25 - 09:50	Jean-Marie RAQUEZ - SMPC - Univ. Mons (BE): Sustainable Design of bioactive composites based on poly(L,L-lactide) for osseointegration: from the extrusion to plasma treatments
09:50 - 10:10	Ana FERRANDEZ-MONTERO - CSIC-ICV - Madrid (ES): Tailoring 3D printed HA scaffolds by the addition of cellulose-based sustainable biopolymer
10:10 - 10:30	Monika FURKO - EK MFA - Budapest (HU): Bioactive composite materials in tissue engineering, and in biomedical applications
10:30 - 11:00	Coffee break/poster session
11:00 - 11:25	INVITED TALK : Paola PALMERO - Polytech Torino (IT): Current advances and issues of calcium phosphates 3D-printing. A focus on the Digital Light Processing technique
11:25 - 11:45	Théodore BERTHELOT - ISCR - Univ. Rennes (FR): Investigating the influence of bioactive glass 92S6 P123 on 3D-Printed scaffold fabrication
11:45 - 12:05	Valeria DIAMANTI - Ind. Eng. - Univ. Padova (IT): Advanced additive manufacturing of functional bioglass-carbon nanocomposite scaffolds from novel silicone-based liquid feedstocks
12:05 - 13:30	Lunch
13:30 - 13:55	INVITED TALK : Marc BOHNER - RMS Foundation - Davos (CH): Shaping calcium phosphate ceramics for osteoinduction
13:55 - 14:15	Nicolas SOMERS - GREENMAT - Univ. Liège (BE): 3D printing of doped β -tricalcium phosphate bioceramics using robocasting
14:15 - 14:35	Anthony THUAULT - CERAMATHS-DMP - Université Polytechnique Hauts-de-France, Valenciennes (FR): Rapid manufacturing of alumina samples by combining additive manufacturing and microwave thermal treatments
14:35 - 15:05	Coffee break/poster session
15:05 - 15:30	INVITED TALK : Laurent GREMILLARD - MATEIS - Univ. Lyon (FR): Strong and tough 3D-printed ceramics through defect-tolerant materials
15:30 - 15:50	Muthusundar KUMAR - CERAMATHS-DMP - Université Polytechnique Hauts-de-France, Valenciennes (FR) - SMPC - Univ. Mons (BE): Cold Sintering Process for developing hydroxyapatite ceramic and polymer composite
15:50 - 16:10	Barbara INSERRA - MATEIS - Univ. Lyon (FR): 3D printing of zirconia-alumina composites via Digital Light Processing: optimization of the slurry and the debinding process
16:15	Closure