

International Conference on 3D Printing, 3D Bioprinting, Digital & Additive Manufacturing (I3D19), 1-5 July 2019, Thessaloniki, Greece

Tuesday 2 July

10:00-11:15	I3D 1 (Room : Dock Six 2) Chair:
10:00-10:30 INVITED	Integrated Electronic Functionalities in 3D Printed Products Merijn Giesbers <i>TNO, Holst Centre, The Netherlands</i>
10:30-11:00 INVITED	Laser Induced Forward Transfer: an advanced tool for 3D bioprinting I. Zergioti <i>National Technical University of Athens, Greece</i>
11:00-11:15	Adhesion improvement of conductive poly-lactic acid filament 3D printed onto polyethylene terephthalate fabric through chemical bonding Prisca Aude Eutonnat-Diffo^{1,2,3}, Yan Chen³, Jinping Guan³, Vincent Nierstrasz², Xianyi Zeng¹, Aurélie Cayla¹, Christine Campagne¹ <i>1 ENSAIT, GEMTEX – Laboratoire de Génie et Matériaux Textiles, France</i> <i>2 Textile Materials Technology, Department of Textile Technology, Faculty of Textiles, Engineering and Business, University of Borås, Sweden</i> <i>3 Soochow University, College of Textile and Clothing Engineering, Suzhou, China</i>

11:30-13:45	I3D 2 (Room: Dock Six 2) Chair:
11:30-12:00 INVITED	2,3,4D printing: the next industrial revolution Shlomo Magdassi <i>The Hebrew University of Jerusalem, Israel</i>
12:00-12:30 INVITED	3D printed nanocomposite structures for energy and environmental applications George Kenanakis <i>FORTH IESL, Greece</i>
12:30-13:00 INVITED	Inkjet fluid characterization and in-flight drop analysis using the FUJIFILM Dimatix Materials Printer R. J A Ramirez <i>FUJIFILM Dimatix, Materials Deposition Group, United States of America</i>
13:00-13:15	Photo-responsive polymers in 3D printing M. Gastaldi¹, A. Fin¹, N. Barbero¹, I. Roppolo², A. Chiappone², S. Bordiga¹, M. Zanetti¹, F. Frascella², C. Barolo¹ <i>1 Dip. Chimica e Centro Interdipartimentale NIS, Università di Torino, Italy</i> <i>2 Dip. Scienza Applicata e Tecnologia, Politecnico di Torino, Italy</i>
13:15-13:30	3D printed chitosan-TiO₂ scaffolds for the photocatalytic degradation of amoxicillin in wastewater C. Graiff¹, L. Bergamonti¹, C. Bergonzi², L. Elviri², P.P. Lottici³, R. Bettini² <i>1 Department of Chemistry, Life Sciences and Environmental Sustainability, University of Parma, Italy</i> <i>2 Food and Drug Department, University of Parma, Italy</i> <i>3 Department of Mathematical, Physical and Computer Sciences, University of Parma, Italy</i>
13:30-13:45	3D Inkjet-printing of Smart Luminaires F. Kemper¹, M. Reif¹, T. Schönfelder¹, L. Pohle^{1,2}, S. Wolleb¹, E. Beckert¹, R. Eberhardt¹, A. Tünnermann^{1,2} <i>1 Fraunhofer Institute for Applied Optics and Precision Engineering (IOF), Germany</i> <i>2 Institute of Applied Physics, Abbe Center of Photonics, Friedrich Schiller University Jena, Germany</i>

Plenary Session Tuesday 2 July

18:30 - 20:30	PLENARY SESSION NANOTECHNOLOGY 2019 (Room: Grand Petra)
18:30-19:00	Introduction by Prof. S. Logothetidis, NANOTECHNOLOGY 2019 Chairman
19:00-19:30 PLENARY	Green Chemistry for Green Energy Prof. Mario Leclerc <i>Laval University, Canada</i>
19:30-20:00 PLENARY	Novel nanomaterials Prof. Sokrates Pantelides <i>Vanderbilt University, USA</i>
20:00-20:30 PLENARY	Intelligent, Recognitive, Nanoscale Systems for Advanced Therapeutic Agent Targeting and Delivery Prof. Nicholas Peppas <i>The University of Texas at Austin, USA</i>

Thursday 4 July

9:30-11:00	I3D 3 BIO (Room : Dock Six 2) Chair:
09:30-10:00 INVITED	Functional inks for co-axial 3D bioprinting C.Toncelli <i>Empa Lerchenfeldstrasse 5, 9014 St. Gallen</i>
10:00-10:30 INVITED	Bioinspired Heart Valve Prosthesis made by Silicone Additive Manufacturing FB Coulter 1, M Schaffner 1, JA Faber 1, A Rafsanjani 1, R Smith 2, H Appa 2, P Zilla 2,3, D Bezuidenhout 2,3, AR Studart 1 <i>1 Complex Materials, Department of Materials, ETH Zürich, Switzerland</i> <i>2 Strait Access Technologies, South Africa</i> <i>3 Cardiovascular Research Unit, University of Cape Town, South Africa</i>
10:30-11:00 INVITED	Alginate tubular scaffolds as models of the neural tube Evangelos Delivopoulos <i>University of Reading</i>

12:00-13:15	I3D 4 BIO (Room : Dock Six 2) Chair:
12:00-12:30 INVITED	Optimization of cell viability in bioprinting Aylin Sendemir-Urkmez <i>Ege University, Turkey</i>
12:30-13:00 INVITED	BIOINKS - Lynchpin of 3D-Bioprinting: Opportunities and Challenges V. Prasad Shastri, Aurelien Forget, Yawei Gu <i>Institute for Macromolecular Chemistry, University of Freiburg, Germany</i>
13:00-13:15	Reconstruction of tomographic images by the vectorization technique applied to the manufacture of prostheses through rapid prototyping Coutinho G. K. B., <i>Universidade Federal do Rio Grande do Norte, Brasil.</i>