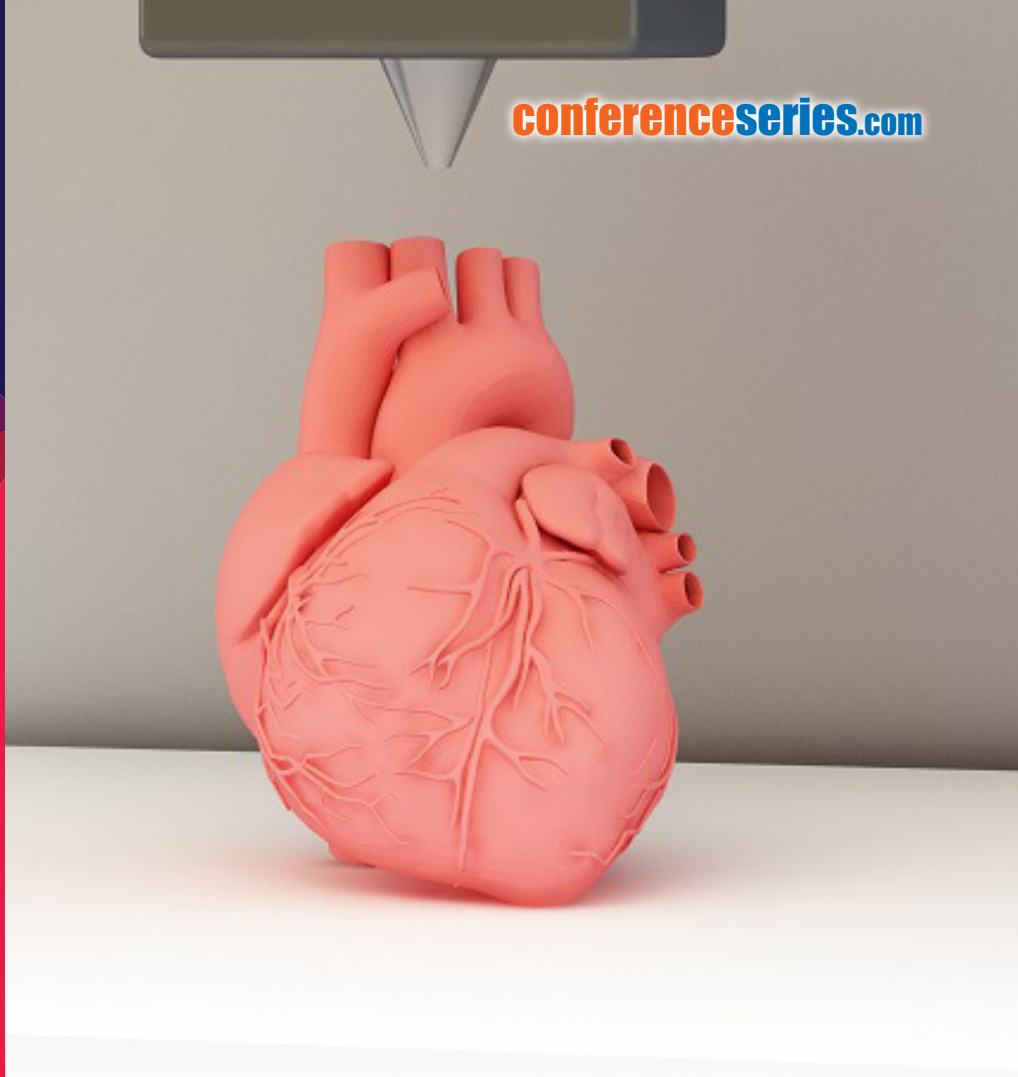
Scientific Program



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3rd International Conference on

3D Printing Technology and Innovations

March 25-26, 2019 | Rome, Italy

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DAY-1

March 25, 2019

Meeting Hall: **Appia 1+2**

08:30-09:00 Registrations

Opening Ceremony 09:00-09:25

KEYNOTE FORUM

09:25-09:30 **Introduction**

09:30-10:10 **Title: Advanced knee implants for the third millenium**
Miroslav Piska and Katrin Buckova, Brno University of Technology, Czech Republic

10:10-10:50 **Title: Stereolithographic additive manufacturing of ceramic components**
Soshu Kirihara, Osaka University, Japan

GROUP PHOTO

Networking & Refreshments 10:50-11:05 @ Foyer

11:05-11:45 **Title: Integrated analysis and quality control of laser-based additive manufacturing processes**
José L Ocaña, UPM Laser Centre - Polytechnic University of Madrid, Spain

Sessions: Advances in 3D Printing & Additive Manufacturing Technology | Innovations in 3D Printing | Design for 3D Printing | 3D Printing Materials | Benefits of 3D Printing and Technology | Future Technology in 3D Printing | Challenges in 3D Printing | 3D printing in Biomaterials | Clinical applications of 3D Printing Innovations | Applications of 3D Printing in healthcare & medicine | Nano 3D Printing

Chair: José L Ocaña, UPM Laser Centre - Polytechnic University of Madrid, Spain
Co-Chair: Miroslav Piska, Brno University of Technology, Czech Republic

INTRODUCTION

11:45-12:15 **Title: Development of Al alloys for additive manufacturing**
Srdjan Milenkovic, IMDEA Materials Institute, Spain

12:15-12:45 **Title: A 3D-printed automated sample storage unit for sporadic sampling in innaccessible aquatic environment**
A Errachid, UMR 5280-Institut des Sciences Analytiques, CNRS, Université de Lyon, France

12:45-13:15 **Title: Additive manufacturing in the manufacturing industry – use, developments, & potentials**
Martin Hannibal, University of Southern Denmark, Denmark

Lunch Break 13:15-14:00 @ Hotel Restaurants

14:00-14:30 Title: **Virtual modeling, stereolithography, and intraoperative CT guidance for the optimization of sagittal synostosis reconstruction**
Andrew J Kobets, Children's Hospital at Montefiore, USA

14:30-15:00 Title: **The methodology of selective laser melting process development**
Konrad Gruber, Wrocław University of Science & Technology, Poland

15:00-15:30 Title: **Additive manufacturing of porous structures for medical applications**
Patrycja Szymczyk, Wrocław University of Science & Technology, Poland

15:30-16:00 Title: **Corrosion behavior of metallic alloys obtained by additive manufacturing**
Marina Cabrini, University of Bergamo, Italy

Networking & Refreshments 16:00-16:15 @ Foyer

16:15-16:45 Title: **Multifuncional materials and additive manufacturing for healthcare**
Teresa Russo, Institute of Polymers, Composites and Biomaterials - CNR, Italy

16:45-17:15 Title: **The use of 3D models in the pre-operative evaluation of the treatment of the foot congenital flat foot**
Maredi E, University of Bologna, Italy

Panel Discussion

DAY-2

March 26, 2019
Meeting Hall: **Appia 1+2**

KEYNOTE FORUM

10:00-10:40 Title: **Additive manufacturing for health care & soft robotic applications using silicone elastomers**
Jean-Marc Frances, Elkem Silicones, France

10:40-11:20 Title: **Strategic developments and future prospects of metal additive manufacturing**
Lombardi Mariangela, Politecnico di Torino, Italy

Networking & Refreshments 11:20-11:35 @ Foyer

POSTER PRESENTATIONS 11:35 – 12:00 @ FOYER

Poster Judge: Lombardi Mariangela, Politecnico di Torino, Italy

Sessions: 3D Printing Industries | 3D Image Processing and Visualization | 3D printing technology and innovations | Metal 3D Printing | Polymers in 3d printing | 3D Bio printing | Lasers in 3D Printing in Manufacturing Industry | 3D Printing of Supply Chain Management | Tissue and Organ Printing | 3D Printing Technology Impact on Manufacturing Industry

Chair: **Miroslav Piska,** Brno University of Technology, Czech Republic
Co-Chair: **José L Ocaña,** UPM Laser Centre - Polytechnic University of Madrid, Spain

INTRODUCTION

12:00-12:30 **Title: Selective laser melting of aluminum matrix composites with ceramic fillers**
Arnautov A, NUST "MISiS", Russia

12:30-13:00 **Title: Use of additive manufacturing technology for fabrication of lattice structures via SLS method in "Alumide"**
Krzysztof Kanawka, Blue Dot Solutions, Poland

Lunch Break 13:00 -14:00 @ Hotel Restaurants

14:00-14:30 **Title: 3D printed porous bioscaffolds based on cellulose nanocrystals**
Sahar Sultan, Stockholm University, Sweden

14:30- 15:00 **Title: Reliability design of mechanical systems subject to repetitive stresses**
Seong-Woo Woo, Reliability Association of Korea, South Korea

VIDEO PRESENTATION

15:00-15:30 **Title: 4D printers: integration of multi-material additive manufacturing with intelligent heads to predict the fourth dimension**
Farhang Momeni, University of Michigan-Ann Arbor, USA

Networking & Refreshments 15:30-15:45 @ Foyer

PANEL DISCUSSION

Awards & Closing Ceremony

Bookmark your Dates

5th International Conference on

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March 16-17, 2020 Berlin, Germany

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