International Conference on
3D Printing and Additive Manufacturing
November 23-24, 2020 | Dubai, UAE
Dear Colleagues

Conference Series LLC Ltd proudly announces the 3D Printing and Additive Manufacturing scheduled during November 23-24, 2020 in Dubai, UAE. The conference emphasizes the theme “From Your Imagination to a 3D Model”.

The term “3D printing” is progressively utilized as an equivalent word for Additive Manufacturing. It transforms digital 3D models into strong solid by structure them up in layers. The innovation was first invented during the 1980s, and since that time has been utilized for rapid prototyping (RP). 3D Printing has been applied in engineering and healthcare since the beginning of 20th century. For the manufacturing of custom prosthetics and dental inserts, it was first utilized and after that on wards the medicinal applications for 3D printing has advanced essentially. 3D printing is the path towards making cell structures in a limited space using 3D printing innovation, where cell limit and suitability are spared inside the printed construct. 3D printing adds to huge advances in the medical field of tissue engineering by allowing for research to be done on innovative materials called biomaterials.. Thus this International Conference on 3D Printing and Additive Manufacturing will be focusing on all aspects for improving manufacturing industry.

Conference Highlights:

- Digital Light Processing (DLP) 3d printing
- Impact of 3D printing on manufacturing industry
- 3D printing materials
- 3D printing in space and aerospace
- Polymers in 3d printing
- Innovations in 3D printing
- 3D printing in biomaterials
- Applications in health care & medicine
- 3D printing in automotive industry
- Additive manufacturing and 3d robotics
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**Keynote/ Plenary Sessions**

**Oral Presentations**

**Post Lunch Oral Presentations**

**Video Sessions / e-Poster**

**3D Printing**
Dubai is the most crowded and the biggest city in the United Arab Emirates (UAE). It is arranged on the southeast bank of the Persian Gulf and is the capital of the Emirate of Dubai, one of the seven emirates that make up the nation. The city of Dubai is arranged on the emirate’s northern coastline and heads the Dubai-Sharjah-Ajman metropolitan region. The emirate of Dubai gives edges to Abu Dhabi in the south, Sharjah in the upper east, and the Sultanate of Oman in the southeast.
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 millennium
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


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 in accessible 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
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 Silicons, 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

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  
3D Printing Technology and Innovations  

March 16-17, 2020  Berlin, Germany  

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