International Conference on 3D Printing Technology and Innovations

July 05-06, 2017 | Frankfurt, Germany

Scientific Program
08:30-09:30 Registrations

Day 1 | July 05, 2017

Odenwald

Opening Ceremony

09:30-09:55

Keynote Forum

09:55-10:00 Introduction
10:00-10:40 Title: 3D printing as a practical pharmaceutical manufacturing method
               Clive Roberts, University of Nottingham, UK

Networking & Refreshment Break 10:40-11:00 @ Foyer

11:00-11:40 Title: Blending patient-specific instruments with surgical navigation
               Randy E Ellis, Queen's University, Canada
11:40-12:20 Title: Additive Manufacturing of Medical Products
               Bogdan Dybała, Wrocław University of Science and Technology, Poland

Lunch Break 13:20-14:10 @ Gaumenfreund Resturant

12:20-12:50 Title: The GeSiM BioScaffolder 3.1 – A 3D bioprinter not only for bioprinting
               Frank-Ulrich Gast, GeSiM mbH, Germany
12:50-13:20 Title: Integrated structural health monitoring by 3D printed metallic structures
               Lincy Pyl, Vrije Universiteit Brussel, Belgium

Session Introduction

14:10-14:40 Title: Oxygen concentration and conversion distributions in a layer-by-layer UV-cured film
               used as a simplified model of a 3D UV inkjet printing system
               Kentaro Takiame, Kanazawa University, Japan
14:40-15:10 Title: Full multi-axis motion control of a tool tip for metal 3D printing
               Haeseong Jee, Hongik University, South Korea
15:10-15:40 Title: Materials development using additive manufacturing technologies
               Tomasz Kurzynowski, Wrocław University of Science & Technology, Poland
15:40-16:10 Title: Mandibular reconstructions using 3D technologies
               Kamila Kołodziejczyk, Wrocław Medical University, Poland

Panel Discussion

Networking & Refreshment Break 16:10-16:30 @ Foyer
### Session Introduction

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>10:00-10:30</td>
<td>Title: Design and fabrication of a porous cast using additive manufacturing</td>
<td>Keun Park, Seoul National University of Science and Technology, South Korea</td>
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<td>10:30-11:00</td>
<td>Title: Material development for Rapid Prototyping for future medical application</td>
<td>Wolfdietrich Meyer, Fraunhofer Institute for Applied Polymer Research, Germany</td>
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### Panel Discussion

Networking & Refreshment Break 11:00-11:20 @ Foyer

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<th>Time</th>
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<tbody>
<tr>
<td>11:20-11:50</td>
<td>Title: 3D-printing technology for physical simulation of petal-type space mirror deployment</td>
<td>V. I. Bujakas, P. N. Lebedev Physical Institute of Russian Academy of Science, Russia</td>
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### Young Researchers Forum

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<tbody>
<tr>
<td>11:50-12:20</td>
<td>Title: Development of economic DLP and resin based 3D printing system for micro fabrication of fine resolution</td>
<td>Shweta Thapa, Rutgers School of Mechanical &amp; Aerospace Engineering, USA</td>
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<tr>
<td>12:20-12:50</td>
<td>Title: Process chain for fabrication of external maxillofacial prosthesis using additive manufacturing</td>
<td>Nneile Nkholise, Central University of Technology, South Africa</td>
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<tr>
<td>12:50-13:20</td>
<td>Title: Cardiovascular tissue engineering using 3D printing technology</td>
<td>Narutoshi Hibino, The Johns Hopkins Hospital, USA</td>
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### Lunch Break 13:20-14:10 @ Gaumenfreund Restaurant

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<tr>
<td>14:10-14:40</td>
<td>Title: Progress towards metal additive manufacturing standardization</td>
<td>Mohsen Seifi, ASTM International, USA</td>
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<tr>
<td>14:40-15:10</td>
<td>Title: 3D printing of drug delivery systems by laser sintering</td>
<td>Gean V Salmoria, Federal University of Santa Catarina, Brazil</td>
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<tr>
<td>15:10-15:40</td>
<td>Title: Re-programmable sequential folding/unfolding in 3D printed structures</td>
<td>Wei Min Huang, Nanyang Technological University, Singapore</td>
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### Panel Discussion

Closing Ceremony

Networking & Coffee 15:40-16:00 @ Foyer

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**Bookmark your dates**

2nd International Conference on 3D Printing Technology and Innovations  
March 19-20, 2018 London, UK