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# Scientific Program

International Conference on

# 3D PRINTING TECHNOLOGY AND INNOVATIONS

July 05-06, 2017 | Frankfurt, Germany




**Conference Series - America**
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA,
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**Conference Series - UK**
Kemp House, 152 City Road, London EC1V 2NX
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## Day 1 | July 05, 2017

**08:30-09:30 Registrations**

**Odenwald**

conferenceseries.com **09:30-09:55** **Opening Ceremony**

## 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: Structural and functional aspects of additive manufacturing applications**
**Edward Chlebus,** Wrocław University of Science & Technology, Poland

**Group Photo**

**Sessions:**
**3D Printing: Additive Manufacturing Technology & Market| 3D Design | 3D Bioprinting | 3D Printing in Medicine | 3D Biomaterials | Supply Chain Management | 3D Printing Industries | 3D Printing in Orthopaedics and Traumatology**

**Session Chair: Clive Roberts,** University of Nottingham, UK

**Session Introduction**

**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

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

**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

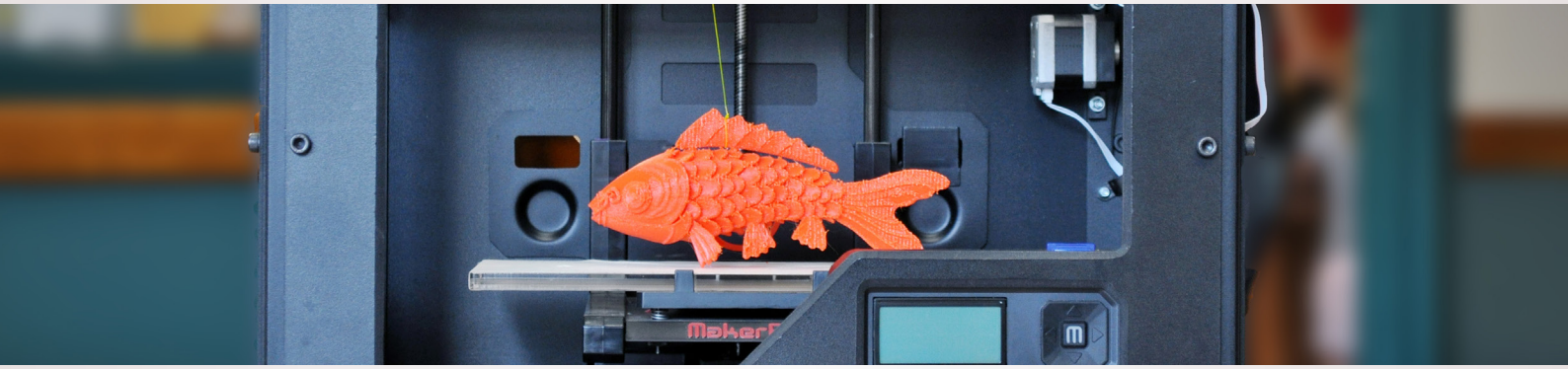
**15:40-16:10** **Title: Mandibular reconstrucions using 3D technologies**
**Kamila Kołodziejczyk,** Wroclaw Medical University, Poland

**Panel Discussion**

**Networking & Refreshment Break 16:10-16:30 @ Foyer**



| Day 2 \| July 06, 2017 | |
|---|---|
| Odenwald | |
| **Sessions:**<br>**3D Printing: Innovations \| Polymers in 3D Printing \| 3D Materials \| 3D Organ Printing \| Radiation oncology Future Technology \| Impact on Manufacturing Industry** | |
| **Session Chair: Randy E Ellis,** Queen's University, Canada | |
| | **Session Introduction** |
| 10:00-10:30 | **Title: Design and fabrication of a porous cast using additive manufacturing**<br>**Keun Park,** Seoul National University of Science and Technology, South Korea |
| 10:30-11:00 | **Title: Material development for Rapid Prototyping for futur medical application**<br>**Wolfdietrich Meyer,** Fraunhofer Institute for Applied Polymer Research, Germany |
| | **Panel Discussion** |
| | **Networking & Refreshment Break 11:00-11:20 @ Foyer** |
| 11:20-11:50 | **Title: 3D-printing technology for physical simulation of petal-type space mirror deployment**<br>**V. I. Bujakas,** P. N. Lebedev Physical Institute of Russian Academy of Science, Russia |
| | **Young Researchers Forum** |
| 11:50-12:20 | **Title: Development of economic DLP and resin based 3D printing system for micro fabrication of fine resolution**<br>**Shweta Thapa,** Rutgers School of Mechanical & Aerospace Engineering, USA |
| 12:20-12:50 | **Title: Process chain for fabrication of external maxillofacial prosthesis using additive manufacturing**<br>**Nneile Nkholise,** Central University of Technology, South Africa |
| 12:50-13:20 | **Title: Cardiovascular tissue engineering using 3D printing technology**<br>**Narutoshi Hibino,** The Johns Hopkins Hospital, USA |
| | **Lunch Break 13:20-14:10@ Gaumenfreund Resturant** |
| 14:10-14:40 | **Title: Progress towards metal additive manufacturing standardization**<br>**Mohsen Seifi,** ASTM International, USA |
| 14:40-15:10 | **Title: 3D printing of drug delivery systems by laser sintering**<br>**Gean V Salmoria,** Federal University of Santa Catarina, Brazil |
| 15:10-15:40 | **Title: Re-programmable sequential folding/unfolding in 3D printed structures**<br>**Wei Min Huang,** Nanyang Technological University, Singapore |
| | **Panel Discussion** |
| | **Closing Ceremony** |
| | **Networking & Coffee 15:40-16:00 @ Foyer** |



## Bookmark your dates

2nd International Conference on

# 3D Printing Technology and Innovations

March 19-20, 2018 London, UK