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Tentative Program

International Conference on

3D Printing & Technology

July 05-06, 2017 Frankfurt, Germany

Theme: *"Showcasing Innovations in 3D Printing"*



For Available Speaker Slots

3dprinting@enggconferences.com

19+ Interactive Sessions	15+ Keynote Lectures	75+ Plenary Lectures	5+ Workshops

Conference Secretariat

Heathrow Stockley Park Lakeside House 1 Furzeground Way, Heathrow
UB11 1BD, UK Tel: +1-800-216-6499
Email: 3dprinting@enggconferences.org; 3dprinting@enggconferences.com

http://3dprinting.conferenceseries.com/

Day 1 July 05, 2017

Registrations

Hall

Opening Ceremony

Introduction

Keynote Session

Title: Cardiovascular Tissue Engineering using 3D Printing Technology

Narutoshi Hibino, Assistant Professor of Surgery, US

Title:3D Bioprinting: An Anticipatory Ethical Analysis

Richard L Wilson, Towson University Philosophy/Computer Science, USA

Title: Blending Patient-Specific Instruments with Surgical Navigation

Randy E Ellis, Queen's University, Kingston,Canada

*****KEYNOTE SLOT AVAILABLE*****

*****KEYNOTE SLOT AVAILABLE*****

Networking & Refreshments

Title:3D Bioprinting: An Anticipatory Ethical Analysis

Mohsen Seifi, Director of Additive Manufacturing Programs, ASTM International, USA

Group Photo

Session Tracks

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

Session Chair: Clive Roberts, School of Pharmacy, The University of Nottingham, United Kingdom

Title: 3D printing as a practical pharmaceutical manufacturing method?

Clive Roberts, School of Pharmacy, The University of Nottingham UK

Title: Development of economic DLP & Resin based 3D printing system for microfabrication of fine resolution

Shweta Thapa, Rutgers school of Mechanical & Aerospace engineering, US

Title: A Recycling Revolution: 3D Printing in a Circular Economy

Michael Peter Down, Manchester Metropolitan University, Germany

Title: The GeSiM BioScaffolder 3.1 – A 3D Bioprinter not only for Bioprinting

Frank-Ulrich Gast, GeSiM mbH, Radeberg, UK

Lunch Break

Title: Comparison of different Additive Manufacturing and traditional technologies -Assessing Lead Time and Total Production Cost

Charisios Achillas, International Hellenic University, Greece

Title: 3D printing for continuous fiber reinforced thermoplastic composites

Xiaoyong Tian, State key laboratory for manufacturing system engineering, China

Title: Oxygen concentration and conversion distributions in a layer-by-layer UV-cured film used as a

Kentaro Takiame, Kanazawa University School of Natural System,Japan

Title: 3D Printing: An Anticipatory Ethical Analysis of Future Developments

Richard L Wilson, Towson University Philosophy/Computer Science, US

Title: E-BABE- Re-programmable sequental folding/unfolding in 3D printed structures

Wei Min Huang,Nanyang Technological University, Singapore

Title: Design and Fabrication of a Porous Cast Using Additive Manufacturing

Keun Park, Seoul National University of Science and Technology,Korea

Networking & Refreshments

Title: Metasurfaces with graphene lattice fabricated by direct laser writing.
Artem Sinelnik, ITMO University, Russia

Title: 3D printed smart sensors for biomedical applications
Grissel Rodríguez-Roldán, Center for Research and Advanced Studies of the National Polytechnic Institute,

Title:One-Step Patterning of Nano-Structured Ceramics from Solution：Differences from Conventional Printing and /or Lithographic Methods
Masahiro Yoshimura, Tokyo Institute of Technology, Taiwan

Title: 3D printing of drug delivery systems by laser sintering
Gean Salmoria, Laboratory of Biomechanical Engineering (LEBM/HU), Mechanical Department of Federal University of Santa Catarina (UFSC), Brazil

Title: Process chain for fabrication of external maxillofacial prosthesis using Additive Manufacturing
Nneile Nkholise, Central University of Technology, South Africa

Title: Innovations in 3-D Printing: A Review
Sushant Negi, Department of Mechanical Engineering, National Institute of Technology, India

Title: Growing Integration Layer [GIL] Strategy: Fabrication of Multilayer Nanostructured Ceramic Coatings and/or Films on Metallic Materials in Solution
Masahiro Yoshimura, Materials and Structures Laboratory,Tokyo Institute of Technology, Taiwan

*****SPEAKER SLOTS AVAILABLE*****

Panel Discussion

Day 2

Hall

Keynote Forum

Title: Soft Processing for Nano Carbons: Direct Fabrication of Functionalized Graphenes and Their Hybrids Inks via Submerged Liquid Plasma [SLP] and Electrochemical Exfoliation [ECE] under Ambient Conditions
Masahiro YOSHIMURA, Materials and Structures Laboratory,Tokyo Institute of Technology, Taiwan

Title: Multi-Station Multi-Axis Hybrid Layered Manufacturing System
Karunakaran, Rapid Manufacturing Laboratory, Indian Institute of technology Bombay, India

Session Tracks

3D Printing: Innovations | Challenges | Materials | Lasers | Liver Tissue Engineering | Radiation oncology| Future Technology | Impact on Manufacturing Industry

Session Introduction

Title: Evolution of 3D Printing in Manufacturing Industries
Abdul Haseeb, Department of Mechatronic Engineering, Pakistan

Title: Industrial Applications of Additive Manufacturing and 3D printing technology: A Review from South Africa Perspective.
Micheal O. ALABI, North West University, South Africa

*****SPEAKER SLOTS AVAILABLE*****

Networking & Refreshments

Poster Presentations

*****SPEAKER SLOTS AVAILABLE*****

Closing Ceremony

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

For any queries reagrding attendance kindly mail us @ 3dprinting@conferenceseries.net; 3dprinting@enggconferences.com

Glimpses of Past conferences











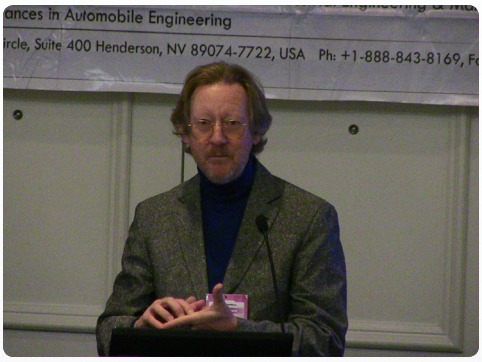






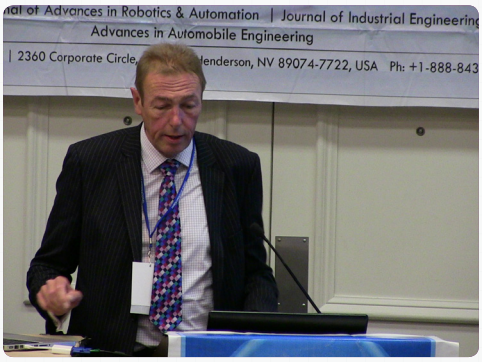



Glimpses of Past conferences

























Major Scientific Sessions

- Challenges in 3D Printing
- 3D Printing Technology & Market
- 3D Printing Technology
- 3D Printing in Medicine
- 3D printing in Biomaterials
- 3D Printing Materials\
- 3D Printing industries
- 3D Printing Technology Impact on Manufacturing Industry
- 3D Printing Future Technology
- Benefits of 3D Printing and Technology
- 3D Printing of Supply Chain Management
- Innovations in 3D Printing
- Challenge of 3D Printing in Radiation oncology
- Clinical applications of 3D Printing in Orthopaedics and Traumatology
- 3D Printing for Liver Tissue Engineering
- B2B Partnering and Collaborations

Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement
- Apart from the judging time you may also be present at the poster to share your research with interested delegates



Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

General Queries

3dprinting@enggconferences.com

Conference Venue

Frankfurt, Germany

Contact us
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3D Printing 2017
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Best Tourist Destinations in Frankfurt



The Old Opera House



St. Bartholomew's Cathedral



Frankfurt's Old Town Center



Goethe House and Museum



Senckenberg Natural History Museum



St. Paul's Church



The Hauptwache



The Museum District



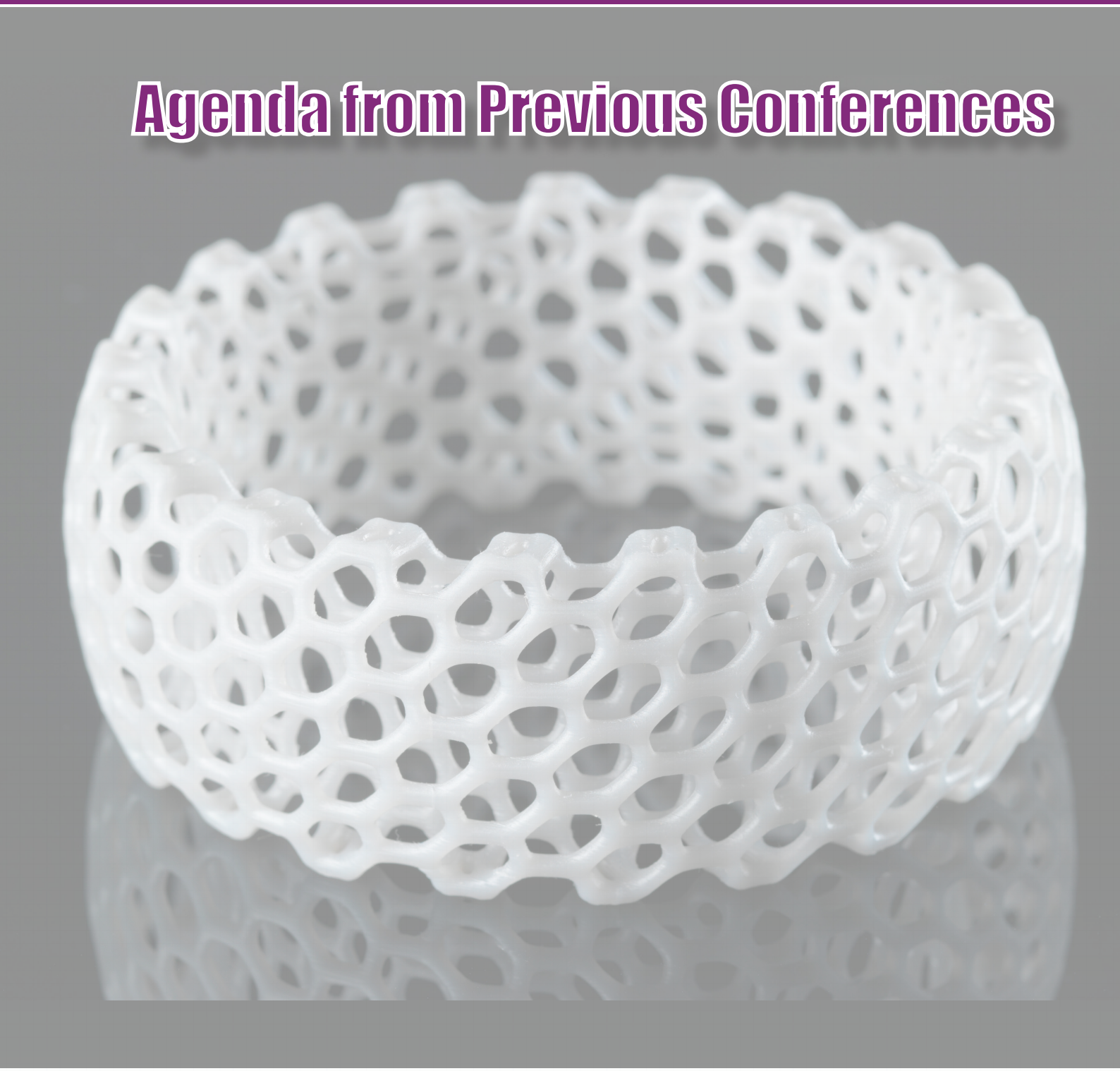
The Palm Garden

About Frankfurt

Frankfurt is the largest city in the German state of Hesse and the fifth-largest city in Germany. Frankfurt is home to many cultural and educational institutions, including the Goethe University and Frankfurt University of Applied Sciences, many museums and two major botanical gardens: the Palmengarten and the Botanical Garden of Goethe University. Frankfurt is a global hub for commerce, culture, education, tourism and traffic. It is the most important financial centre on the European mainland, with the HQs of the European Central Bank, German Federal Bank, Frankfurt Stock Exchange, Deutsche Bank, Commerzbank, DZ Bank, several fintech start-ups and other institutes. Messe Frankfurt is one of the world's largest trade fairs. Major fairs include the Frankfurt Motor Show, the world's largest motor show, and the Frankfurt Book Fair, the world's largest book fair. Frankfurt has many high-rise buildings in the city centre, forming the Frankfurt skyline. It is one of the few cities in the European Union to have such a skyline and because of it Germans sometimes refer to Frankfurt as Mainhattan, a portmanteau of the local Main River and Manhattan.



Agenda from Previous Conferences



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Scientific Program

OMICS International Conference

World Congress on

Industrial Automation

San Francisco, USA July 20-22, 2015



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Email: *industrialautomation@omicsgroup.com, industrialautomation@conferenceseries.com*

Day 1 July 20, 2015

Registrations

Tiburon

Opening Ceremony

Keynote Forum

Introduction

Charlie Duncheon
Grabit Inc., USA

Group Photo

Coffee break:

Track 1: Automation Technologies
Track 3: Control and Mechatronic Systems

Chair : Juan R Pimentel, Kettering University, USA

Co-Chair : Cameron Gieda, Sick Inc., USA

Session Introduction

Title: Context aware systems for unstructured environments based on WSNs
Juan R Pimentel, Kettering University, USA
Title: Industrial automation technologies and the realization of factory 4.0
Cameron Gieda, Sick Inc., USA
Title: BTSS – BUYUKSAHIN tactile sensing system
Utku Buyuksahin, Sensobright Industries LLC, USA

Lunch Break

Title: Automating farms irrigation in Saudi Arabia
Sami A Alhasan, The Excellency Center of Water Technologies, Saudi Arabia
Title: Intelligent Vacuum Technology in Automation
Walter Dunkmann, J. Schmalz GmbH., Germany
Title: Reaching Ultimate Flexibility for Robot Grippers
Charlie Duncheon, Grabit Inc., USA
Title: Static and dynamic obstacle avoidance behaviour for powered wheelchair control system
Jaya Bhanu Rao Degala Ramalu, Newcastle University, UK
Title: Use of data analysis and TCAD simulations to understand the characteristics and reliability of high voltage MOS transistors
Jone F Chen, National Cheng Kung University, Taiwan

Panel Discussion

Coffee Break

Day 2 July 21, 2015

Tiburon

Keynote Forum

Introduction

Jeffrey Berkley
Mimic Technologies Inc., USA

Eduard Babulak
Maharishi University of Management, USA

Coffee Break

Track 4: Robotics and Applications

Chair : Tariq H. Tashtoush, Texas A&M International University (TAMIU), USA

Co-Chair : Eric H.K. Fung, The Hong Kong Polytechnic University, China

Session Introduction

Title: Robotics and automation in space systems: Utilization of infrared laser to improve communication in space systems review
Tariq H. Tashtoush, Texas A&M International University (TAMIU), USA
Title: 3D Simulation of Human-like Walking and Stability Analysis for Bipedal Robot with Distributed Sole Force Sensors
Eric H.K. Fung, The Hong Kong Polytechnic University, China
Title: Simulation in robotic surgery: The challenges and opportunities
Jeffrey Berkley, Mimic Technologies Inc., USA

Workshop on
Selection Process of Industrial Robots
Tariq H. Tashtoush, Texas A&M International University (TAMIU), USA

Lunch Break

Track 5: Automation in manufacturing

Chair : Mehran Mehrandezh, University of Regina, Canada

Co-Chair : Andreas Jonsson, Volvo Car Group, Sweden

Session Introduction

Title: Design and development of automated robotic systems for inspecting pipes
Mehran Mehrandezh, University of Regina, Canada
Title: Ready for reality; virtual commissioning at Volvo cars
Andreas Jonsson, Volvo Car Group, Sweden
Title: Automation in the SME manufacturing learning factories: Case point Norway
Rhythm Suren Wadhwa, Høgskolen Gjøvik University College, Norway
Title: Utilizing Factory Modeling and Simulation and the Current Challenges
Tariq H. Tashtoush, Texas A&M International University (TAMIU), USA

Panel Discussion

Coffee Break

Poster Presentations @ Sierra A

Day 3 July 22, 2015

Tiburon

Track 6: Information technologies for automation systems

Chair: Dev Bhattacharya, Moog Crossbow, USA

Co-Chair: Juan R Pimentel, Kettering University, USA

Session Introduction

Title: Internet of Things (IoT) applications covering industrial domain
Dev Bhattacharya, Moog Crossbow, USA
Title: IT and operations, how and where to get along
Kevin Davenport, Cisco Systems, Inc., USA
Title: Lessons learned in fielding driverless (autonomous) vehicles in industrial applications like mining, material handling, and agriculture
Mel Torrie, Autonomous Solutions, USA

Panel Discussion

Lunch Break

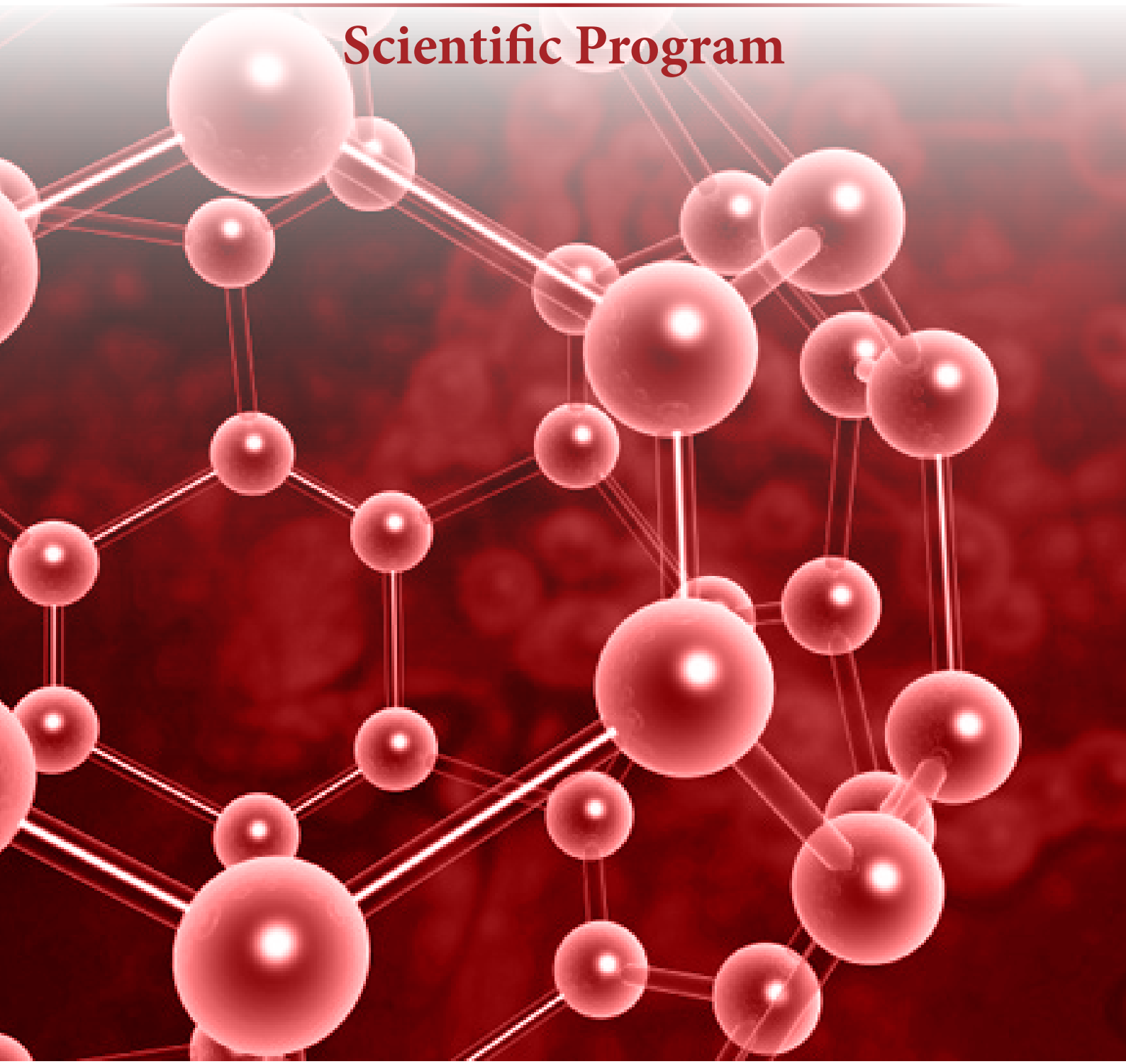
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International Conference and Exhibition on

Polymer Chemistry

November 14-16, 2016 Atlanta, USA

Scientific Program



Hosting Organization: Conference Series LLC

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Day 1 November 14, 2016

Registrations

Chittahoochee

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Opening Ceremony

Keynote Forum

Introduction

Title: Polymers for energy generation: Molecular structures and applications
Jorge Morgado, University of Lisbon and Instituto de Telecomunicações, Portugal

Title: Squarato-bridged metal(II) coordination polymers derived from polydentate-N-donors amine derivatives
Salah S Massoud, University of Louisiana at Lafayette, USA

Group Photo

Networking and Refreshment Break

Sessions: Polymer Synthesis and Polymerization | Recent Advances in Polymer Chemistry | Characterization of Polymers | Synthetic Polymers | Macromolecular Polymeric Structure | Polymer Technology | Polymer Nanotechnology

Session Chair: Fengyu Li, Chinese Academy of Sciences, China
Session Co-Chair: Suresh S Shendage, KET'S Vinayak Ganesh Vaze College of Arts, India

Session Introduction

Title: Bis(terpyridine)metal complex oligomer wires on electrodes: Constructions and their electron transport phenomena
Hiroaki Maeda, The University of Tokyo, Japan
Title: Polymers and topographies to investigate neural stem cell culture and differentiation under electric fields
Jorge Morgado, University of Lisbon and Instituto de Telecomunicações, Portugal
Title: Investigation of cure kinetics in a system with reactant evaporation using the combination of DSC and TGA method
Aleš Ručigaj, University of Ljubljana, Slovenia

Lunch Break

Title: Advances in polymer supported catalyst
Suresh S Shendage, KET'S Vinayak Ganesh Vaze College of Arts, India
Title: Ionic polymerization using flow microreactor systems and its applications to syntheses of structurally well-defined Polymers
Aiichiro Nagaki, Kyoto University, Japan
Title: Optimization of optical properties of polypropylene by studying the impact of catalyst activity on polymerization process
Shahriar Arjmand, Islamic Azad University, Iran
Title: New photovoltaic polymers for efficient organic solar cells
Jianhui Hou, Institute of Chemistry-CAS, China
Title: Printed manufacture ultra-integrated multi-analysis devices
Fengyu Li, Chinese Academy of Sciences, China

Networking and Refreshment Break

Title: Green printing nano-technology for manufacturing photonic and electronic devices
Yanlin Song, Institute of Chemistry-CAS, China
Title: Polymer electrolytes for lithium oxygen and lithium-ion oxygen cell
Giuseppe Antonio Elia, Technische Universität Berlin, Germany
Title: Anionic solution copolymerization of α-Methylstyrene with conjugated dienes above the ceiling temperature of α-Methylstyrene
Adel F. Halasa, Ohio University, USA

Panel Discussion

Day 2 November 15, 2016

Chittahoochee

Sessions: Functional Polymers | Polymers for Catalysis | Bio catalysis in Polymer Chemistry | Bio-related Medical Polymers | Polymers in Biochemistry

Session Chair: Jin Ho Lee, Hannam University, South Korea

Session Co-Chair: Kushal Sen, Indian Institute of Technology, India

Session Introduction

Title: Hydroxypropyl cellulose based gel polymer electrolyte systems for dye-sensitized solar cell application

Mohammad Hassan Khanmirzaei, University of Malaya, Malaysia

Title: Enhanced thermal stability of organic photovoltaics via incorporating triphenylamine derivatives as additives

Ying-Chieh Chao, National Taiwan University, Taiwan

Title: Non-metallic electrically conducting textiles: The potential

Kushal Sen, Indian Institute of Technology, India

Networking and Refreshment Break

Title: Polymer matrices with functional gradients in tissue engineering

Jin Ho Lee, Hannam University, South Korea

Title: A Novel synthetic approach in the preparation of maleimide containing benzoxazine resins

Žiga Štirn, University of Ljubljana, Slovenia

Title: Novel polymer materials using sub and supercritical gases

Željko Knez, University of Maribor, Slovenia

Lunch Break

Poster Presentations

APC001	**Title: Chemical characterization of fructo-oligosaccharides from Stevia rebaudiana (Bertoni) roots** **Regina Aparecida Correia Gonçalves,** State University of Maringá, Brazil
APC002	**Title: Degree of polymerization of inulin molecules during the plant development by GC/MS analysis** **José Eduardo Gonçalves,** State University of Maringá, Brazil
APC003	**Title: Functionalisation of oligomeric ethylene glycol through traceless Wittig Olefination** **Xu Jin,** Agency for Science, Technology and Research (A*STAR), Singapore
APC004	**Title: Solvent spinning of bacterial polyester** **Bhavya Singhi,** North Carolina State University, USA
APC005	**Title: Preparation and characterization of hydrogels using biopolymers** **Jongshin Park,** Seoul National University, Korea

Networking and Refreshment Break

Title: Determination of the degree of polymerization of inulin using different analytical methodologies

Arildo José Braz de Oliveira, Universidade Estadual de Maringá, Brazil

Title: Polymer membranes decorated with biomolecules: Novel systems with medical potential

Cornelia G Palivan, University of Basel, Switzerland

Title: Controlled micelle formation and sol-gel transition in the mixed aqueous solutions of enantiomeric block copolymers of polylactide and poly(ethylene glycol)

Yoshiharu Kimura, Kyoto Institute of Technology, Japan

Day 3 November 16, 2016

Networking Session starts

Refreshment Break

Networking Session Continues

Lunch Break

Award & Closing Ceremony