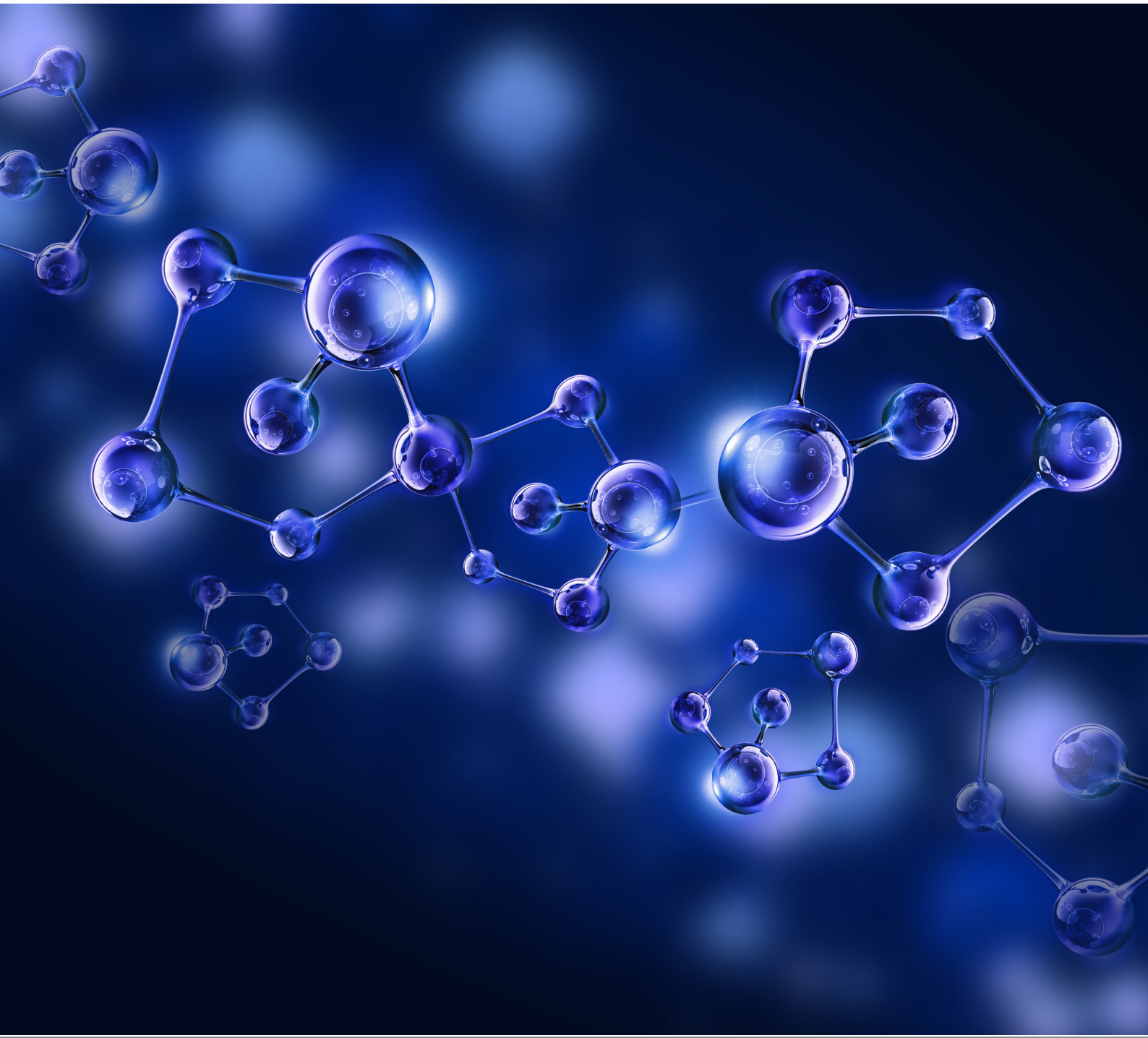
4th International Conference on

POLYMER SCIENCE AND TECHNOLOGY



June 04-05, 2018
London, UK

EuroSciCon

https://polymerscience.euroscicon.com/

Polymer Congress 2018

Polymer Congress 2018

Agenda Day 1: June 04, 2018

Meeting Hall - Bleriot 1

08:00-09:00 Registrations

09:00-09:20 Opening Ceremony

09:20-09:30 Introduction

Keynote Forum

09:30-10:10 **Title: The Effect of an Acrylic Polymer Wax Control Additive as a Cold Flow Solution for Wax Challenges**

Jessica Gould, Croda Europe LTD, UK

10:10-10:50 **Title: Ultrahigh-temperature phthalonitrile nanocomposites with functionalized silicon-based nanoparticles: Structure, dynamics, properties**

Vladimir A Bershtein, Ioffe Institute, St.-Petersburg, Russia

Networking & Refreshment Break 10:50-11:05 @ Breakout Area

Sessions: Polymer Science-The Next Generation | Polymers And The Future Of Industries |Polymer Material Science And Engineering | Polymer Nanotechnology | Polymer Chemistry |Composite Polymeric Materials

Session Chair: Lianbin Zhang, Huazhong University of Science and Technology, China

Session Co-Chair: Szczepan Zapotoczny, Jagiellonian University, Poland

Session Introduction

11:05-11:30 **Title: OEGylated Dendronized Polymers for Stimuli-Responsive Materials**

Afang Zhang, Shanghai University, China

11:30-11:55 **Title: Characterization of Poly(lactic Acid) Foams produced by extrusion with different chemical blowing agents**

Akos Kmetty, Budapest University, Hungary

11:55-12:20 **Title: Deposition and control of polymer dielectrics for OTFTs**

Hazel Assender, University of Oxford, UK

12:20-12:45 **Title: Evaporative Structuring of Solutions of Active Blends for Molecular Electronics Applications**

Jasper Michels, Max Planck Institute for Polymer Research, Germany

Group Photo

Lunch Break 12:45-13:35 @ RBG

13:35- 14:00 **Title: Assembly of Block Copolymers in 3D Confined Geometries**

Jintao Zhu, Huahzong University of Science & Technology, China

14:00-14:25 **Title: Promising Tailor Made Nanocapsules Based on Biopolymer For Antibiotic Therapy**

Sabrina Belbekhouche, University of Paris, France

14:25-14:50 **Title: Suface-grafted polymer brushes with ladder-like architecture**

Szczepan Zapotoczny, Jagiellonian University, Poland

14:50-15:15	**Title: Acrylic acid grafted biopolymer Chitosan/TiO2 based nanocomposite for application in solar light induced photocatalytic degradation** **Dhiraj Sud**, Sant Longowal Institute of Engineering and Technology, India
15:15-15:40	**Title: Incremental Sheet Forming for manufacturing customized UHMWPE cranial implants** **Isabel Bagudanch**, **Ines Ferrer, Maria Lusia**, University of Girona, Spain
15:40-16:05	**Title: Combined/copolycondensation: sustainable methods for biobased polymers** **Rosica Mincheva,** University of Mons, Belgium

Networking & Refreshment Break 16:05-16:20 @ Breakout Area

16:20- 16:40	**Title: WATIFY- The Technological transformation** **Shirley Vollenberg,** Communication advisor – EU projects, Netherland
16:40-17:05	**Title: Dynamic polymer networks based on reversible aromatic disulfide bond: From self-healing to processability, recyclability and more** **Alaitz Rekondo,** CIDETEC Foundation, Spain
17:05- 17:30	**Title: Semi interpenetrating networks of chitosan /acrylic acid / thiourea for sequestering cadmium from aqueous solution** **Kamlesh Kumari,** Sant Longowal Institute of Engineering and Technology, India

Agenda Day 2 June 05, 2018

Meeting Hall - Bleriot 1

Keynote Forum

09:30-10:10	**Title: Phenomenological Review of LCP/PET Droplet Fibrillation by Repeated Extrusion for Nanofiber Formation** **Han-Yong Jeon**, INHA University, South Korea

Session Introduction

Sessions: Polymer Physics | Role Of Polymers In Biology And Biological Systems | Applications Of Polymers | Advanced Polymer Structures |Polymers In Wastes And Their Environmental Impact

Session Chair: Afang Zhang, Shanghai University, China

Session Co-Chair: Hazel Assender, University of Oxford, UK

10:10-10:35	**Title: Polymeric Photothermal Membranes for Interfacial Solar Heating** **Lianbin Zhang,** Shanghai University, China
10:35-11:00	**Title: Bismuth additives for silicon oils as a "green" alternative** **Andres Eduardo Ciolino**, PLAPIQUI (DIQ-UNS), Argentina

Networking & Refreshment Break 11:00-11:15 @ Breakout Area

11:15-11:40	**Title: Exploration of the metal-organic framework/polymer interface in Mixed Matrix Membranes** **Sergio Tavares**, Université de Montpellier, France
11:40-12:05	**Title: Near-surface crystallization in polyesters** **Hazel Assender**, University of Oxford, UK
12:05-12:30	**Title: Precisely tuning helical twisting power via photoisomerization kinetics of dopants in chiral nematic liquid crystals** **Yonggui Liao**, Huazhong University of Science and Technology, China

YRF SESSION @ Bleriot 1

12:30-12:50 — **Title: Finite Element Material Model for the Prediction of the Thermal Conductivity of Highly Filled Polymers**

Jochen Gaiser, University of Applied Sciences Karlsruhe, Germany

Lunch Break 12:50-13:40@ RBG

13:40-14:00 — **Title: Superhydrophobic coatings from water-based beeswax emulsions**

Sara Naderizadeh, Italian Institute of Technology , Italy

14:00-14:20 — **Title: Investigation of Biocompatible Thiol/Yne Formulations for 3D Printing of Medical Scaffolds**

Daniel Hennen, Montan university Leoben, Austria

14:20-14:40 — **Title: Study of coumarin incorporation in therapeutic polymers**

M. José Carrero, University of Castilla-La Mancha, Spain

14:40-15:00 — **Title: Poly(phenylene methylene): A Thermally Stable, Processable Hydrocarbon Polymer with Unexpected Photoluminescence**

Andreas Braendle, ETH Zurich, Switzerland

15:00- 14:20 — **Title: Novel Approaches to Analyze Interior Lamellae and Assembly in Spherulitic Morphology of Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) Crystallized with Poly(vinyl methyl ether)**

Chung-Hao Chen, National Cheng Kung University, Taiwan

14:20- 15:40 — **Title: Synthesis and morphological insights into novel, stable and biocompatible smart hydrogels with prospective wound healing properties**

Deepa Suhag, Amity University, India

15:40-16:40 Poster Presentaions@Foyer

PC 1 — **Title: Determination of semicarbazide in fish by molecularly imprinted stir bar sorptive extraction coupled with high performance liquid chromatography**

Qin Hu, Nanjing Medical University, China

PC 2 — **Title: A single dual emissive nanoprobe for quantification of spontaneous glucose in human serum**

Shuhu Du, Nanjing Medical University, China

PC 3 — **Title: DNA-Silver Nanoclusters Molecular Beacons as A Novel Nanoprobe for Sensitive and Label-free Fluorescent Detection of Transcription Factors**

Xuemin Zhou, Nanjing Medical University, China

PC 4 — **Title: Synthesis and characterization of polypyrrole nanoparticles**

Monika Paúrová, Institute of Macromolecular Chemistry of the Academy of Science, Czech Republic

PC 5 — **Title: Characterization of Composite Films Prepared by in-Situ Polymerization of Styrene/Butyl Acrylate in Nanoporous Cellulose Gels**

Dae Su Kim, Chungbuk National University, Korea

PC 6 — **Title: Effect of interface interaction on the mechanical properties of the graphene reinforced nanocomposites**

Ommeaymen Sheikhnejad, Johannes Kepler University Linz, Austria

PC 7 — **Title: Preparation of bio-compatible and UV-curable elastic materials with HEMA as a diluent**

Ji eun jang, KITECH university, South korea

PC 8 — **Title: The properties of superabsorbent polymers synthesized with acrylate based crosslinking agents**

Yoo jin kim, KITECH university, South korea

PC 9

Title: Silica dispersion in the Si-SBR composites: Synthesis of poly(glycidyl methacrylate-co-styrene) as a reactive dispersant by emulsion copolymerization.

Haechan Kim, KITECH university, South korea

PC 10

Title: A comparative study on the dispersion effects of various dispersantsin modified Si-SBR composites

Min Seong Kim, KITECH university, South korea

PC 11

Title: Post-treatment process to enhance the performances of super absorbent polymers

Seok Ju Hong, KITECH university, South korea

PC 12

Title: Improved permeability and absorption of superabsorbent polymers by using ethylene glycol diglycidyl ether as a surface cross-linking agent.

Wooseung Shin, KITECH university, South korea

PC 13

Title: The silica dispersing effects of silica-SBR composites with dispersing agent : poly(styrene-allyl alcohol) and poly(-styrene-methyl methacrylate)

ByeongKwan Kang, KITECH university, South korea

PC 14

Title: Investigation on the mechanical, barrier and degradation properties of polyglycolic acid synthesized via ring-opening polymerization

Bowen Tan, Pujing Chemical Industry, UK

Panel Discussion

Awards & Closing Ceremony