Scientific Program

EuroSciCon

3rd Edition of International Conference and Exhibition on

Polymer Chemistry

Polymer Chemistry 2018

March 26 - 28, 2018 Vienna, Austria

Fleming's 9

Day 1 March 26, 2018

08:00-09:00	Registrations
09:00-09:10	Opening Ceremony
09:10-09:20	Introduction
Keynote Presentations	
09:20-09:55	**Title: Nano-Structured Polymeric/Hybrid Materials**
	Wolfgang Knoll, AIT Austrian Institute of Technology, Austria
09:55-10:30	**Title: Using Microwaves to extract and make functional natural or bio-sourced macromolecules**
	DESBRIERES Jacques, University of Pau and Pays Adour, France
	Group Photo
	Networking and Refreshment break 10:30-10:45 @Foyer
Session Introduction	
Sessions	**Polymer Chemistry:Polymer Nanotechnology**
Chair	Gerhard Eder, Johannes Kepler University, Austria
Co-chair	Andreas Taubert,University of Potsdam, Germany
10:45-11:10	**Title: Silver nanowires as a platform for plasmon engineering**
	Joanna Niedziółka- Jönsson, Institute of Physical Chemistry,Polish Academy of Sciences, Poland
11:10-11:35	**Title: Plastic Scintillator, exploration of photo-physical properties and chemical optimisation**
	BERTRAND Guillaume, CEA Saclay, France
11:35-12:00	**Title:SnO2 nanoparticles: Their Structural, Electrical and Optical properties**
	Vinita Sharma, Government College, India
12:00-12:25	**Title: Synthesis of nanochitosan Bombyx mori and its derivatives for medicine**
	Milusheva R.Yu, Institute of Polymer Chemistry and Physics Academy of Sciences of Uzbekistan, Uzbekistan
12:25-12:50	**Title: Carbon and graphite filler composites of ethylene-octene copolymer – Potential candidates for pressure/strain sensors**
	Rajesh Theravalappil, King Fahd University of Petroleum and Minerals, Saudi Arabia
	Lunch 12:50-13:40 @Flemings Restaurant
13:40-14:05	**Title: Fabrication of CNT–based conducting polymer nanocomposites and their applications in direct methanol fuel cells**
	You-Jun Fan, Guangxi Normal University, China
14:05-14:30	**Title: Photo-design of metal polymer nanomaterials and nanostructures**
	Lavinia Balan, CNRS Institut de Science des Matériaux de Mulhouse,France
14:30-14:55	**Exhibitor talk**
	Gundula Reitenbach, Physical Electronics GmbH , Germany
Session Introduction	
Sessions	Biopolymers and Biomaterials|Polymer Physics and Characterizations
Chair	DESBRIERES Jacquesg, University of Pau and Pays Adour, France
Co-chair	Lavinia Balan, CNRS Institut de Science des Matériaux de Mulhouse, France
14:55-15:20	**Title: Advanced Optoelectronic Materials and Devices via Integrating Functional Polymers**
	Dong Ha Kim, Ewha Womans University, Republic of Korea
15:20-15:45	**Title: Polymer Surfaces for Calcium Phosphate Deposition – Implications for 3D printed Polymer Scaffolds**
	Andreas Taubert, University of Potsdam, Germany
15:45-16:10	**Title: Bio-inspired engineering of microchannels in polymers by crystallization of solvent**
	Jonghwi Lee, Chung-Ang University, South Korea
	Networking and Refreshments 16:10-16:25 @Foyer
16:25-16:50	**Title: Core crosslinking of polymeric flower like micelles using native chemical ligation**
	Tina Vermonden, Utrecht University, The Netherlands
16:50-17:15	**Title: Electrospinnig of polyheteroarylenes for new nanofiber functional materials**

	Ivan Ponomarev, ELMARCO s.r.o, Czech Republic
17:15-17:40	**Title: Highly conducting polymers for thermoelectric applications**
	Jianwei XU, Institute of Materials Research and Engineering, Republic of Singapore
17:40-18:05	**Title: Novel thermodynamic concepts for nucleation processes**
	Gerhard Eder, Johannes Kepler University, Austria
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Day 2 March 27, 2018	
Keynote Presentations	
09:00-09:35	**Title: Flexible, stretchable and healable electronics**
	Fabio Cicoira, Polytechnique Montréal, Canada
09:35-10:10	**Title: Photoinduced Living Polymerization for Advanced Polymer Synthesis**
	Jiangtao Jason Xu, UNSW Sydney, Australia
	Networking & Refreshments 10:10-10:25 @Foyer
Session Introduction	
Sessions	Applications of BioPolymers | Recent Developments in Polymer Synthesis | Polymer Science
Chair	Cor Koning, DSM Coating Resins, The Netherlands
Co-chair	Mauro Giorcelli, Politecnico di Torino, Italy
10:25-10:50	**Title: 3D structured composite filter materials with embedded natural nano-fillers**
	Manja Kurecic, University of Maribor, Slovenia
10:50-11:15	**Title: Renewable and sustainable coating resins**
	Cor Koning, DSM Coating Resins,The Netherlands
11:15-11:40	**Title: Giant Vesicles Supporting Amino Groups on the Hydrophilic Shells Prepared by Photo-Controlled/Living Radical Polymerization-Induced Self-Assembly of Amphiphilic Block Copolymers**
	Eri Yoshida, Toyohashi University of Technology, Japan
11:40-12:05	**Title: Rapid Synthesis of A Novel Type Thermostable Poly(ether)-b-Poly(amide) (PEBA) With Well-Defined Aramide Segments, and The Application to Shape Memory Material**
	Yuji Shibasaki, Iwate University,Japan
12:05-12:30	**Title: All polyolefin composites via nanostructure formation during melt processing**
	Rolf Mülhaupt ,University of Freiburg, Germany
12:30-12:55	**Title: Nanocontainers based on biodegradable polymer and anionic liposomes**
	Anna Efimova, Moscow State University, Russian Federation
	Lunch Break 12:55-13:45 @Flemings Restaurant
	Poster Presentations13:45-14:30 @Meeting rooms
POLYC1	**Title:Inverse Suspension Polymerization of Itaconic Acid to Prepare Biodegradable Superabsorbent Polymers**
	Young-Je KWARK, Soongsil University, Korea
POLYC2	**Title:Synthesis and characterization of fluorescent conjugated polymer dots hybridized with inorganic materials for responsive properties**
	Taek Seung Lee, Chungnam National University, Korea
POLYC3	**Title:Antibacterial Properties of Hybrid Films Prepared from Bio-Polyurethane and Bio-Hydroxyapatite**
	Byung Gil Min, Kumoh National Institute of Technology,korea
POLYC4	**Title:Wound healing effects of new membranes based chitosan, hyaluronic acid and arginine derivatives**
	Lenuta Profire, University of Medicine and Pharmacy, Romania
POLYC5	**Title:One-step synthesis of a monolayer of monodisperse gold nanocubes for SERS substrates**
	Rana OMAR, Université de Lorraine, France
POLYC6	**Title:Ionic conductivity and related properties of chitosan-graphene nano-composite membranes**
	Mojca Bozic, University of Maribor, Slovenia
POLYC7	**Title:Size and morphology controlling of ethylcellulose nanoparticles by using different surface active polysaccharides in the emulsion evaporation preparation method**
	Manja Kurecic, University of Maribor, Slovenia
POLYC8	**Title:Preparation of bismuth coupled polysaccharide nanoparticles for magnetic resonance imaging**
	Silvo Hribernik, University of Maribor, Slovenia
POLYC9	**Title:Study of Shape Memory Polymer Composite for bone repairing**
	Yuanchi Zhang, Hong Kong Polytechnic University, China
POLYC10	**Title:Strain-Induced Chirality Inversion by Distinctly Different Helix Pathway in Co2+-Triggered Supramolecular Peptide Polymers**
	Ka Young Kim, Gyeongsang National University, South Korea

POLYC11	**Title:Crown ether-based moldable supramolecular gel with unusual mechanical properties and controllable electrical conductivity by cation-mediated cross-linking**
	Yeonweon Choi, Gyeongsang National University, South Korea
POLYC12	**Title:Poly(glyco-peptides) derived from D-gluconolactone**
	Ester Abtew,The Hebrew University of Jerusalem,Israel
POLYC13	**Title:Functional Cyclic Polymers via Click Reaction**
	Heesoo Kim, Dongguk University College of Medicine, South Korea
POLYC14	**Title:Janus-type Polymeric Nanoparticles for Chemical Sensing**
	Seung Hyun Kim, Inha University,Korea
POLYC15	**Title:Carbon Fibre functionalization by plasma treatment**
	Mauro Giorcelli, Politecnico di Torino, Italy
	Poster Judges: Moonhor Ree, SEIICHI TAGUCHI
	Session Introduction
Sessions	Polymer Engineering | Future Market of Polymers | Polymer Design and Reactions
Chair	Anna Efimova ,Moscow State University, Russian Federation
Co-chair	Céline Croutxé-Barghorn,Laboratory of Photochemistry and Macromolecular Engineering, France
14:30-14:55	**Title: Boronic ester and homodimerization of molecular clips as cross-link motifs in the reversible networks**
	Monika Gosecka, Polish Academy of Sciences, Poland
14:55-15:20	**Title:Estimation method of lifetime by the hydrolysis of polymer material**
	Yuko Sawada, Mitsubisi Electric Corporation, JAPAN
15:20-15:45	**Title: High mechanical strength of supramolecular gels formed via hydrazone reaction**
	Jong Hwa Jung, Gyeongsang National University, South Korea
15:45-16:10	**Title: Photopolymerisation of siloxane-thiol-acrylate oligomers**
	Vladimir Shelkovnikova, Siberian Branch of the Russian Academy of Sciences, Russia
	Networking and Refreshments 16:10-16:25 @Foyer
16:25-16:50	**Title: Effective anionic UV curing for a thermally dismantlable photoadhesive having disulfide bonds**
	Masahiro Furutani, Tokyo University of Science, Japan
16:50-17:15	**Title: Polyvalent tools for polymerization under irradiation**
	Céline Croutxé-Barghorn, Laboratory of Photochemistry and Macromolecular Engineering, France
17:15-17:40	**Title: Structuring of cellulose (nano) substrates into functional porous materials**
	Silvo Hribernik, University of Maribor, Slovenia
17:40-18:05	**Title: Biochar as a high performance low cost filler for polymer composites**
	Mauro Giorcelli, Politecnico di Torino, Italy
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	Day 3 March 28, 2018
	Keynote Presentations
09:00-09:35	**Title:Synthetic biology for intracellular and secretory production of polymerized enantiopure ester-products in microbial platform**
	SEIICHI TAGUCHI, Tokyo University of Agriculture, Japan
09:35-10:10	**Title:Synthesis and Evaluation of New Radical Photoinitiators Bearing the Alkoxysilane Functionality**
	Krzysztof K. Krawczyk, Montanuniversitaet Leoben, Austria
	Networking & Refreshments 10:10-10:25 @Foyer
	Session Introduction
Sessions	Bioplastics|Polymers for emerging technology | Polymerization catalysis or polymer-modified catalysts| Polymer Science| Polymer Design and Reactions | Applications of BioPolymers
Chair	Daniel E Weibel,Federal University of Rio Grande do Sul, Brazil
Co-chair	Yi Liu, Lawrence Berkeley National Laboratory,USA
10:25-10:50	**Title:UV-Surface Treatment of Fungal Resistant Polyether Polyurethane Film-Induced Growth of Entomopathogenic Fungi**
	Daniel E Weibel, Federal University of Rio Grande do Sul, Brazil
10:50-11:15	**Title:3D printing of biocomposite of polylactic acid and lignin modified cellulose nanofibrils**
	Mojca Bozic, University of Maribor , Slovenia
11:15-11:40	**Title:Tuning Structure and Ordering in Semiconducting Conjugated Polymers**
	Yi Liu, Lawrence Berkeley National Laboratory, USA
11:40-12:05	**Title:New Digital Memory Devices Fabricated with DNA and DNA-Mimics**
	Moonhor Ree, POSTECH, South Korea

12:05-12:30	**Title:Novel polymer latexes by photoactivated Ring-Opening Metathesis Polymerization in miniemulsion via the in situ generation of Ruthenium-Arene catalyst through photolatent N-heterocyclic carbene ligand**
	Loïc PICHAVANT, Laboratoire de Chimie des Polymères Organiques, France
12:30-12:55	**Title: Silver Metallization and selective metallization by spraying on 3D printed parts**
	Samuel STREMSDOERFER, Jet Metal Technologies, France
	Lunch Break 12:55-13:45 @Flemings Restaurant
13:45-14:10	**Title: Efficient optical and mechanical responses of a hydrophobic association hydrogel**
	Silas Owusu-Nkwantabisah, Eastman Kodak Company, United States
14:10-14:35	**Title: Polymer nano-structuring induced one-shot fabrication of monodisperse gold nanoparticles relevant for SERS**
	Akil Suzanna, Université de Lorraine, France
	YRF
14:35-14:55	**Title:Life cycle assessment of poly(lactic acid) (PLA): comparison between chemical recycling, mechanical recycling and composting**
	Marina Fernandes Cosate de Andrade, University of Campinas, Brazil
14:55-15:15	**Title:Formation and polymerization of Pickering emulsions stabilized by modified Cellulose Nanocrystals**
	Arthur Werner, University of Bordeaux, France
15:15-15:35	**Title:Nanocellulose – material of the future**
	Ninoslav Ninic, Faculty of polymer technology, Slovenia
15:35-15:55	**Title:Effect of humidity on mechanical, thermal and barrier properties of EVOH films**
	Anthony Blanchard, Université de Lyon, France
15:55-16:15	**Title:PLA active packaging with natural antioxidants**
	Gador Indra Hidalgo, Polytechnic University of Catalonia, Spain
	Networking and Refreshments 16:15-16:30 @Foyer
16:30-16:50	**Title:Polyimide synthesis via reactive extrusion**
	Laurent Verny, Université de Lyon, France
16:50-17:10	**Title:Novel Magnetically Chitosan based N-Heterocyclic Carbene as Recyclable Nanocatalyst and Highly Efficient for Cross-Coupling Reaction**
	Pouria Zarshenas, Shahid Beheshti University, Iran
	Exhibitor Booth @ Meeting rooms

Award & Closing Ceremony

** Polymer chemistry 2018 Conference tenative scientfic program*

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