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 Technologyg, 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, Nicolaus Copernicus University, 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: Polymer nano-structuring induced one-shot fabrication of monodisperse gold nanoparticles relevant for SERS**
	Akil Suzanna, Université de Lorraine, France
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
Fleming's 9	
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
Chair	Cor Koning, DSM Coating Resins, The Netherlands
Co-chair	Mauro Giorcelli, Politecnico di Torino, Italy
10:25-10:50	**Title: Silver Metallization and selective metallization by spraying on 3D printed parts**
	Samuel STREMSDOERFER, Jet Metal Technologies, France
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, University of Lorraine and Lebanese University, 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, Novosibirsk Institute of Organic Chemistry, 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: 3D structured composite filter materials with embedded natural nano-fillers**
	Manja Kurecic, 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
	Fleming's 9
	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
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: Structuring of cellulose (nano) substrates into functional porous materials**
	Silvo Hribernik, University of Maribor, Slovenia
	Lunch Break 12:55-13:45 @Flemings Restaurant
13:45-14:10	**Title: Efficient optical and mechanical responses of a hydrophobic association hydrogel**
	Owusu-Nkwantabisah, Kodak Research Laboratories, United States
14:10-14:35	**Title:SnO2 nanoparticles: Their Structural, Electrical and Optical properties**
	Vinita Sharma, Government College, India
	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**
	Gádor 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*

Exhibitors & Media Partners

PHYSICAL ELECTRONICS GMBH

RETEMA
Revista Técnica de Medio Ambiente

CrowdReviews
Buyers Guide Based On Client Reviews

HAPTIC

InsightsSuccess
The way of business solutions

ChemicalInfo

VL

nanobay

ManuscriptEdit
by Research

nWN
nanotechnology
World Network

UNIMACHINES
MACHINES
MARKETPLACE