

<b>Tuesday Jan. 12, 2016</b>		
<b>Room A</b>		
7:00-8:00AM	Breakfast	
<b>Session: Polymer Nanostructures I Chair: Neil R. Cameron</b>		
8:00-8:25AM	A01: New Polymeric Nanolayered Systems by Continuous Co-extrusion – Forced Assembly	<b>Eric Baer</b> Case Western Reserve University, USA
8:25-8:50AM	A02: Nucleic acid as a smart polymer	<b>Jong Bum Lee</b> University of Seoul, Korea
8:50-9:15AM	A03: Layer-by-Layer Assembled Nano Structure in Thin Films	<b>Jinkee Hong</b> Chung Ang University, Korea
9:15-9:40AM	A04: Atmospheric pressure plasma enhanced chemical vapor deposition for roll to roll nanocomposite thin films coating	<b>Francoise Massines</b> PROMES, CNRS, Tecnosud, Rambla de la thermodynamique, France
9:40-10:05AM	A05: Conjugated Microporous Polymers as Heterogenous Photocatalysts	<b>Filipe Vilela</b> Heriot-Watt University, UK
10:05-10:20AM	Session Break	
<b>Session: Polymer composites I Chair: Alexey V. Lyulin</b>		
10:20-10:45AM	A06: Hybrid polymer nanocomposites with embedded metal nanoparticles: in situ synthesis and structural control	<b>Kensuke Akamatsu</b> Konan University, Japan
10:45-11:10AM	A07: Magnetolectric polymer nanocomposites based on magnetostrictive Nws	<b>Mohammed Y. Al-Nassar</b> King Abdullah University of Science and Technology (KAUST), Kingdom of Saudi Arabia
11:10-11:35AM	A08: New Reactor Granule Technology to Realize Dispersant-Free Polyolefin-based Nanocomposites	<b>Toshiaki Taniike</b> Japan Advanced Institute of Science and Technology(JAIST), Japan
11:35-12:00AM	A09: Water-swellable rubber with nanotechnology-enabled super capacity	<b>Youhong Tang</b> Flinders University, Australia
12:00-14:00PM	Lunch Break	

**Tuesday Jan. 12, 2016**

**Room B**

**Session: Polymer physics I Chair: Alberto Pais**

14:00-14:25PM	B01: Spin relaxation and transport mechanism in highly doped polymer film	<b>Motoi Kimata</b> University of Tokyo, Japan
14:25-14:50PM	B02: Transport and Dynamics of Ionic Species in Block Copolymer Electrolytes Obtained from NMR	<b>Michael Deschamps</b> University of Orleans, France
14:50-15:15PM	B03: Poisson ratio under tensile deformation in semicrystalline polymers	<b>Koh-hei Nitta</b> Kanazawa University, Japan
15:15-15:30PM	Session Break	
<b>Session: Polymer physics II Chair: Michael Deschamps</b>		
15:30-15:55PM	B04: Mechanical properties of semi-crystalline polymers: a molecular simulation approach	<b>Bernard Rousseau</b> Université Paris-Sud, France
15:55-16:20PM	B05: Polyelectrolyte adsorption to polarisable surfaces	<b>Alberto Pais</b> University of Coimbra, Portugal
16:20-16:45PM	B06: Theoretical study of exciton dissociation through hot charge transfer states in organic polymer photocell	<b>Tomomi Shimazaki</b> RIKEN Advanced Institute for Computational Science (RIKEN AICS), Japan
16:45-17:10PM	B07: Modeling the influence of glycosylation on proteins	<b>Roland Faller</b> University of California Davis, USA
17:30PM	Dinner Social	

**Tuesday Jan. 12, 2016**

**Room C**

**Session: Water/Polymer Systems I Chair: Yukitoshi Takeshita**

14:00-14:25PM	C01: Water-mediated Thermoreversible Conversion between Macrocyclic and Linear Oligomers	<b>Toshihiko Matsumoto</b> Tokyo Polytechnic University, Japan
14:25-14:50PM	C02: Water diffusion in Poly( $\epsilon$ -caprolactone): a molecular description	<b>Pellegrino Musto</b> IPCB - CNR, Italy
14:50-15:15PM	C03: Modelling water sorption thermodynamics in rubbery and glassy polymers	<b>Giuseppe Mensitieri</b> University of Naples Federico II, Italy
15:15-15:30PM	Session Break	

**Session: Water/Polymer Systems II Chair: Toshihiko Matsumoto**

15:30-15:55PM	C04: Chemical Admixture for Concrete in Japan	<b>Mitsutaka Hayakawa</b> Tokyo Polytechnic University, Japan
15:55-16:20PM	C05: Oligo Ethylene Glycol (OEG)-Based Stimuli-Responsive Dendronized Polymers	<b>Wen Li</b> Shanghai University, China
16:20-16:45PM	C06: States of water absorbed in urethane/epoxy coatings and mechanical properties	<b>Yukitoshi Takeshita</b> NTT Device Technology Labs, Japan
16:45-17:10PM	C07: Waterborne Fluoro-Polymers for Paint Use	<b>Takashi Takayanagi</b> AGC Chemicals Fluoroproducts Div. Material Technology Group, Japan
17:30PM	Dinner Social	

**Tuesday Jan. 12, 2016**

**Room D**

**Session: General I**

**Chair: Michael Rohwerder**

14:00-14:25PM	D01: Function of Chirality-Responsive Polyacetylenes Possessing 2,2'-Biphenol-Derived Pendants	<b>Katsuhiko Maeda</b> Kanazawa University, Japan
14:25-14:50PM	D02: Structural control and switching of chiral polymers using light	<b>Tamaki Nakano</b> Hokkaido University, Japan
14:50-15:15PM	D03: Development of piezoelectric fabric and its application	<b>Yoshiro Tajitsu</b> Kansai University, Japan
15:15-15:30PM	Session Break	
<b>Session: Olefins polymerization I</b>		
<b>Chair: Kohtaro Osakada</b>		
15:30-15:55PM	D04: Access to a new generation of thermoplastic elastomers via rare earth catalyzed chain shuttling copolymerization	<b>Philippe Zinck</b> Universit�Lille1, France
15:55-16:20PM	D05: Elaborate Tuning of Nickel Complex Pre-catalysts for Ethylene Polymerization	<b>Cun-Yue Guo</b> University of Chinese Academy of Sciences, China
16:20-16:45PM	D06: One-Pot Synthesis of Bimodal Polyethylene Based on Series of Novel Cr/V Bimetallic Catalysts	<b>Boping Liu</b> East China University of Science and Technology (ECUST), China
16:45-17:10PM	D07: Synthesis of functional polyacetylenes and their ion responsiveness	<b>Yanming Hu</b> Changchun Institute of Applied Chemistry, CAS, China
17:30PM	Dinner Social	

Wednesday Jan. 13, 2016

Room B

8:00-9:00AM

Breakfast

**Session: Polymer Nanostructures II Chair: Cheng Fang**

9:00-9:25AM

B08: Polypeptide Nanoparticles for Ocular Drug Delivery

**Neil R. Cameron**  
Monash University, Australia

9:25-9:50AM

B09: Direct laser writing of polymer nanostructures via the two-photon polymerization technique

**Meiling Zheng**  
Technical Institute of Physics and Chemistry, CAS, China

9:50-10:15AM

B10: Stimuli-Responsive Helical Polymers

**Afang Zhang**  
Shanghai University, China

10:15-10:30AM

Session Break

**Session: Polymer Nanostructures III Chair: Francoise Massines**

10:30-10:55AM

B11: Self-assembled nano-/micro-porous polymer structures and their integration into functional devices

**Varun Vohra**  
The University of Electro-Communications (UEC), Japan

10:55-11:20AM

B12: Polymer templated nanostructures

**Cheng Fang**  
The University of Newcastle, Australia

11:20-11:45AM

B13: Conjugated nanoporous polymers for visible light photocatalysis: a metal-free alternative

**Kai Zhang**  
Max Planck Institute for Polymer Research, Germany

11:45-12:10PM

B14: Influence of nanoparticle incorporation on polyethylene properties

**Paula A. Zapata**  
Universidad de Santiago de Chile, Chile

12:30-14:00PM

Lunch Break

**Session: Hybrid Fiber-Reinforced Polymer Composites Chair: Eric Baer**

14:25-14:50PM

B15: Functional Materials Consisted of Rigid Cylindrical Inorganic Polymer "Imogolite"

**Kazuhiro Shikinaka**  
Tokyo University of Agriculture and Technology, Japan

14:50-15:15PM

B16: Surface modification and functionalization for Fiber-Reinforced Polymer Composites

**Yagang Zhang**  
Xinjiang Technical Institute of Physics and Chemistry, CAS, China

15:15-16:00PM	<b>Poster Session</b>	
<b>Session: General II    Chair: Tamaki Nakano</b>		
16:00-16:25PM	B17: The chemical stability of polymer electrolyte membranes in fuel cells: A theoretical study	<b>Yuanyuan Zhao</b> Fuel Cell Cutting-Edge Research Center Technology Research Association (FC-Cubic), Japan
16:25-16:50PM	B18: Spin Crossover Coordination Polymer Compounds with Hofmann-like Frameworks	<b>Takafumi Kitazawa</b> Toho University, Japan
17:30PM	Dinner Social	

Wednesday Jan. 13, 2016

Room C

8:00-9:00AM

Breakfast

**Session: Polymers for electronic applications I Chair: Rong-Ho Lee**

9:00-9:25AM

C08: Characterization of Transport Properties of Polymer Solar Cells Using Impedance Spectroscopy

**Hiroyoshi Naito**  
Osaka Prefecture University, Japan

9:25-9:50AM

C09: Electrochromic Display Device with Metallo-Supramolecular Polymer

**Masayoshi Higuchi**  
National Institute for Materials Science (NIMS), Japan

9:50-10:15AM

C10: Enhancing thermoelectric performance with carbon nanotubes and PEDOT nanoparticles composites

**Clara Gomez**  
University of Valencia, Spain

10:15-10:30AM

Session Break

**Session: Polymers for electronic applications II Chair: Masayoshi Higuchi**

10:30 -10:55AM

C11: Photorefractive effect of photoconductive ferroelectric liquid crystal blends

**Takeo Sasaki**  
Toyto University of Science, Japan

10:55-11:20AM

C12: Charge-Transporting Polymers and Molecular glasses for Optoelectronic Applications

**Juozas Grazulevicius**  
Kaunas University of Technology,  
Lithuania

11:20-11:45AM

C13: Organic Semiconductor Materials for Electro-optical Applications

**Rong-Ho Lee**  
National Chung Hsing University, Taiwan

11:45-12:00PM

C14: Spatial orientation and order of the distinct molecular subunits in thin films of a high electron mobility n-type copolymer

**Markus Anton**  
University of Leipzig, Germany

12:30-14:00PM

Lunch Break

**Session: Polymer Nanostructures IV Chair: Varun Vohra**

14:00-14:25PM

C15: Measuring Protein Interactions with Polymer Coatings Using Total Internal Reflection Microscopy

**To Ngai**  
The Chinese University of Hong Kong,  
Hong Kong

14:25-14:50PM

C16: Mesoporous high surface area functional polymers

**Karel Jerabek**  
Institute of Chemical Process  
Fundamentals, Czech Republic

14:50-15:15PM	C17: Porous conjugated polymers for electroactive and catalytic applications	<b>Zhengtao Xu</b> City University of Hong Kong, Hong Kong
15:15-16:00PM	<b>Poster Session</b>	
<b>Session: Polymer composites II Chair: Martina Prambauer</b>		
16:00-16:25PM	C18: Mechanically powered luminescent devices based on elastomeric zinc sulphide composite	<b>Soon Moon Jeong</b> Division of Nano & Energy Convergence Research, DGIST, Korea
16:25-16:40PM	C19: Fabrication of polycarbonate composites with polycarbonate grafted multi-walled carbon nanotubes by reactive extrusion using hydroxyl group-containing pyrene derivatives as interfacial agents	<b>Eun Yeob Choi</b> Chung-Ang University, Korea
16:40-17:05PM	C20: Thermal conductivity of polymer composites and method for enhancing the thermal conductivity	<b>Chan Byon</b> Yeungnam University, Korea
17:30PM	Dinner Social	



Wednesday Jan. 13, 2016

Room D

8:00-9:00AM

Breakfast

**Session: Polymer composites III Chair: Kensuke Akamatsu**

9:00-9:25AM

D08: A coarse-grained molecular dynamics simulations of structure and mechanics of filled elastomers

**Alexey V. Lyulin**  
Technische Universiteit Eindhoven, The Netherlands

9:25-9:50AM

D09: Fabrication and Characterization of Paper-reinforced thermoplastic Laminates

**Martina Prambauer**  
Transfercenter für Kunststofftechnik GmbH, Austria

9:50-10:15AM

D10: Miniemulsion polymerization with carbon-coated cobalt nanoparticles for the synthesis of non-conductive ferromagnetic nanocomposites

**Vanessa Herman**  
CEA, LETI, MINATEC Campus, Grenoble, France

10:15-10:30AM

Session Break

**Session: Olefins polymerization II Chair: Cun-Yue Guo**

10:30 -10:55AM

D11: Polydiacetylenes based sensors and their antibacterial activity

**Juyoung Yoon**  
Ewha Womans University, Korea

10:55-11:20AM

D12: Olefin Polymerization Promoted by Dinuclear Late Transition Metal Complexes

**Kohtaro Osakada**  
Tokyo Institute of Technology, Japan

11:20-11:45AM

D13: Synthesis of the Spherical PB/PP Alloys with Ziegler-Natta Catalysts

**Aihua He**  
Qingdao University of Science and Technology, China

11:45-12:10PM

D14: Functional Polar Copolymers from Olefins Catalyzed by the Non-metallocene Catalysts

**Qigu Huang**  
Beijing University of Chemical Technology, China

12:30-14:00PM

Lunch Break

**Session: Polymers for electronic applications III Chair: Feng Jin**

14:00-14:25PM

D15: Improvement of the figure of merit of organic semiconductors

**Andres Cantarero**  
University of Valencia, Spain

14:25-14:50PM

D16: Side-chain engineering in high performance p-type organic semiconductors

**David Jones**  
University of Melbourne, Australia

14:50-15:15PM	D17: Brillouin scattering in plastic optical fibers: application to distributed sensing	<b>Neisei Hayashi</b> Tokyo Institute of Technology, Japan
15:15-16:00PM	<b>Poster Session</b>	
<b>Session: Polymers for electronic applications IV Chair: Clara Gomez</b>		
16:00-16:25PM	D18: Thermoelectric properties of PEDOT-Tellurium films synthesized by electrochemical method	<b>Mario Culebras</b> University of Valencia, Spain
16:25-16:50PM	D19: The application of Inverse opals in lasing oscillation and chemical sensors	<b>Feng Jin</b> Technical Institute of Physics and Chemistry, CAS, China
17:30PM	Dinner Social	

<b>Thursday Jan. 14, 2016</b>		
<b>Room B</b>		
8:00-9:00AM	Breakfast	
<b>Session: Polymer physics III    Chair: Roland Faller</b>		
9:00-9:25AM	B19: Slow Dynamics of Ring Polymer Melts: Threading and Confinement	<b>YounJoon Jung</b> Seoul National University, Korea
9:25-9:50AM	B20: Theoretical study on phase behaviors of a polyelectrolyte solution	<b>Bing Miao</b> University of Chinese Academy of Sciences, China
9:50-10:15AM	B21: Influence of thermal history during injection molding on the impact behavior of polycarbonate	<b>Yingjie Xu</b> Northwestern Polytechnical University, China
10:15-10:30AM	Session Break	
<b>Session: Water/Polymer Systems III    Chair: Giuseppe Mensitieri</b>		
10:30 -10:55AM	B22: Some approaches to design near superhydrophobic/superoleophilic polymeric membranes enabling to break water-in-oil emulsions under the action of gravity	<b>Antoine Venault</b> Chung Yuan Christian University, Taiwan
10:55-11:20AM	B23: Effect of wetting and humidity in accelerated weathering test	<b>Shin Watanabe</b> Suga Test Instruments Co.,Ltd, Japan
11:20-11:45AM	B24: Self-assembly of Polypeptide Copolymers in Water: Nanostructures and Bioapplications	<b>Chunhua Cai</b> East China University of Science and Technology, China
12:10-14:00PM	Lunch Break	
<b>Session: Polymer composites IV    Chair: Youhong Tang</b>		
14:00-14:25PM	B25: Nanocarbons-enabled tunable photomechanical actuation in polymeric elastomer nanocomposites	<b>Yingkui Yang</b> Hubei University, China
14:25-14:50PM	B26: Environmentally responsive nanoporous coordination polymers for efficient CO <sub>2</sub> capture and trigger release	<b>Haiqing Li</b> CSIRO, Australia

14:50-15:15PM	B27: Polymer composite and application of organic photovoltaic cells	<b>Zong-Xiang Xu</b> South University of Science and Technology of China, China
15:15-15:30PM	Session break	
<b>Session: Polymer composites V      Chair: Vanessa Herman</b>		
15:30-15:55PM	B28: Nanoporous gold - polymer composites	<b>Ke Wang</b> TU Hamburg-Harburg, Germany
15:55-16:20PM	B29: Improving the mechanical behavior of ethylene/1-butene thermoplastic elastomer copolymers by adding carbon nanostructures	<b>Humberto Palza</b> Universidad de Chile, Chile
17:30PM	Dinner Social	

<b>Thursday Jan. 14, 2016</b>		
<b>Room C</b>		
8:00-9:00AM	Breakfast	
<b>Session: General III      Chair: Yuanyuan Zhao</b>		
9:00-9:25AM	C20: A New View on Co-Nonsolvency of Polymers in Mixed Good Solvents	<b>Kurt Kremer</b> MPI für Polymerforschung, Germany
9:25-9:50AM	C21: Photopolymerization as the key process to manufacture the converter for connecting different types of optical fibers	<b>Pawel Marc</b> Military University of Technology, Poland
9:50-10:15AM	C22: A Computational Study of Self-associating Polymers under Oscillatory Shear	<b>Arlette Baljon</b> SDSU, San Diego
10:15-10:30AM	Session Break	
<b>Session: General IV      Chair: Kurt Kremer</b>		
10:30 -10:55AM	C23: Conducting Polymers for Intelligent Self-Healing Coatings	<b>Michael Rohwerder</b> Max-Planck-Institut für Eisenforschung GmbH, Germany
10:55-11:20AM	C24: Melanin pigments: en route towards environmentally benign electronics	<b>Eduardo Di Mauro</b> École Polytechnique de Montréal, Canada
11:20-11:45AM	C25: Toughening of Polylactide (PLA) by Blending with Elastomeric Materials	<b>Cevdet Kaynak</b> Middle East Technical University, Turkey
11:45-12:10PM	C26: Fabrication of piezoelectric micro sensors based on non-conductive polymers for volatile compounds detection and discrimination	<b>Fabio Di Pietrantonio</b> Institute of Acoustics and Sensors - Italian National Research Council (CNR), Italy
12:10-14:00PM	Lunch Break	
<b>Session: Polymer Nanostructures V      Chair: Xiaoxing Zhang</b>		
14:00-14:25PM	C27: Bio-inspired pH-sensitive hierarchically structured macromolecular objects	<b>Laurent Billon</b> Université Pau et des Pays de L'Adour, France
14:25-14:50PM	C28: Polymer physical gels: structure and mechanism	<b>Hak Fun Chow</b> The Chinese University of Hong Kong, Hong Kong

14:50-15:15PM	C29: Laser-assisted replication of microstructured film	<b>Keisuke Nagato</b> The University of Tokyo, Japan
15:15-15:30PM	Session break	
<b>Session: Polymer Nanostructures VI      Chair: To Ngai</b>		
15:30-15:55PM	C30: Nanostructured Hydrolytically Stable and Degradable Polyurethane Elastomers. Preparation and Multiscale Characterization	<b>Milena Spirkova</b> Academy of Sciences of the Czech Republic, Czech Republic
15:55-16:20PM	C31: Detection of SOF <sub>2</sub> decomposition component by Ni doped SWCNT in SF <sub>6</sub> insulated equipment: a DFT study	<b>Xiaoxing Zhang</b> Wuhan University, China
16:20-16:45PM	C32: Hierarchical Polymer Nanostructures Generated inside AAO Channels	<b>Zhaoxia Jin</b> Renmin University of China, China
16:45-17:10PM	C33: Electric field assisted imprint lithography and its applications	<b>Jinyou Shao</b> Xi'an Jiaotong University, China
17:30PM	Dinner Social	
<b>Jan. 15</b>	<b>One day Excursion</b>	

Wednesday Jan. 13, 2016

15:15-16:00PM

Poster Session

P01	Mechanically-driven red luminescence from spontaneously formed bilayer elastomeric zinc sulphide composite	<b>Seongkyu Song</b> Division of Nano & Energy Convergence Research, DGIST, Korea
P02	Polymeric micelles as a versatile strategy for oral administration of poorly soluble drugs	<b>Francisco Veiga</b> University of Coimbra, Portugal
P03	Two-Layer Radar Absorbing Structures Composed of Carbon Black and Carbon Fiber Composites	<b>Sung-Soo Kim</b> Chungbuk National University, Korea
P04	Photothermal Dye conjugated Polymer and Hyaluronic acid integrated rGO nano particles for tumor targeted with Bio-imaging Cancer therapy	<b>Sung Han Kim</b> Korea National University of Transportation Korea
P05	Production and characterization of lipid-based nanoparticles for improving solubility and stability of curcuminoids	<b>Domingos Ferreira</b> University of Porto, Portugal
P06	Comparing surface behaviors of linear and ring polymer melts: Physical intuition for the polymer nanocomposites	<b>Eunsang Lee</b> Seoul National University, Korea
P07	Performance of ultrafiltration membranes fabricated from polysulfone and surface modified silica nanoparticles with various hydrophilic polymers	<b>Lak Won Choi</b> Chung-Ang University, Korea
P08	Levofloxacin-loaded PLGA microspheres: a suitable polymeric formulation for sustained release in lungs	<b>Joao Sousa</b> University of Coimbra, Portugal
P09	Moisture barrier film of organic/inorganic hybrid structure	<b>SungHee Kim</b> Sungkyunkwan University, Korea
P10	Plasmonic Nanoparticles formed by Block Copolymer Self Assembly for Organic Electronic Devices	<b>Mei Meng</b> Dankook University, Korea
P11	The fabrication of an organic encapsulation layer via Initiated Chemical Vapor deposition (iCVD)	<b>Ji-Hoo Seok</b> Sungkyunkwan University, Korea

P12	Fabrication of PAN Conducting fiber by wet spinning process	<b>Hyungseok Lee</b> Sungkyunkwan University, Korea
P13	Stability of Nanobubbles and Transition Behavior	<b>Gyehyun Park</b> Seoul National University, Korea