

<b>Tuesday March 14</b>		
<b>Room: A</b>		
8:30-8:35AM	Opening Ceremony	
<b>Session: Polymers In Medicine and Biology    Chair: Jonathan Howse</b>		
8:35-9:00AM	A01: Modeling the influence of glycosylation on protein dynamics	<b>Roland Faller</b> University of California Davis, USA
9:00-9:25AM	A02: Thermal cycling characteristics of DNA chips fabricated by 3D printing technology	<b>Heesung Park</b> Changwon National University, Korea
9:25-9:50AM	A03: Flicking technique with alginate and liquid crystals for microencapsulation of cells towards the growth of microtissues	<b>Chin Fhong Soon</b> Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia
9:50-10:15AM	A04: Next Generation of Biodegradable Polymer-Ceramic Implants for Bone Regeneration	<b>Fariba Dehghani</b> The University of Sydney, Australia
10:15-10:30AM	Session Break	
<b>Session: Polymer Nanostructures    Chair: Roland Faller</b>		
10:30 -10:55AM	A05: Poly(lactic acid)/graphene nanoplatelets films	<b>Pietro Russo</b> CNR IPCB, Italy
10:55-11:20AM	A06: Thin liquid films of polymer blends with a free surface: structuring and stability	<b>Santiago Madruga</b> Universidad Politécnica de Madrid, Spain
11:20-11:45AM	A07: In-situ Studies of Polymer Self-Assembly processes across different lengthscales - from spin-coating of colloidal crystals and polymers to microwave annealing of block-copolymers	<b>Jonathan Howse</b> University of Sheffield, UK
12:00-14:00 PM	Lunch Break	

**Tuesday March 14**

**Room: A**

**Session: Interactive Polymer Assemblies and Surfaces &  
Controlled Polymer Synthesis and Mechanisms**

**Chair: Gyorgy Szekely**

14:00 -14:25PM	A08: Artificial Biomembrane Models Using Giant Vesicles Formed by Self-Assembly of Amphiphilic Block Copolymers	<b>Eri Yoshida</b> Toyohashi University of Technology, Japan
14:25 -14:50PM	A09: New Functional Polymer Materials Derived from Porous Crystals	<b>Kenta Kokado</b> Hokkaido University, Japan
14:50 -15:15PM	A10: Switchable Catalysis: New Methods for Controlling Polymerization Reactions	<b>Christopher W. Bielawski</b> Ulsan National Institute of Science and Technology (UNIST), Korea
15:15 -15:40PM	A11: Structural Control of Polysilsesquioxanes: Ladder or Cage	<b>Seung Sang Hwang</b> Materials Architecturing Research Center, KIST, Korea
15:40 -15:55PM	Session Break	
<b>Session: BEM Chair: Janusz M. Dabrowski</b>		
15:55 -16:20PM	B01: Nanoformulated Polarity-tunable NIR-absorbing Photosensitizers for Photodynamic Therapy	<b>Janusz M. Dabrowski</b> Jagiellonian University, Poland
16:20 -16:45PM	B03: Temperature and Velocity Analysis in a Recess Microchannel Flow for Microorganism Cultivation	<b>Chih-Yung Huang</b> National Tsing Hua University, Taiwan
16:45 -17:10PM	B04: TBD	<b>Hsiang-Yu Wang</b> National Tsing Hua University, Taiwan
17:10 -17:35PM	B05: Graphene quantum dot-based nanomaterials for trace metal ions detection and energy storage	<b>Ruey-an Doong</b> National Tsing Hua University Taiwan
17:35 -18:30PM	B02: Syntheses and Photodynamic activities of tetraphenyltetraphenanthroporphyrin derivatives	<b>Misaki Nakai</b> Kansai University, Japan (Takl move to 17:35 -18:00PM Thursday March 16)

<b>Wednesday March 15</b>		
<b>Room: A</b>		
<b>Session: Water/Polymer Systems &amp; Bioresponsive and Bioinspired Polymers</b>		
<b>Chair: Roland Faller</b>		
8:35-9:00AM	A12: Rate determining steps in polymer-complexation and ion-exchange kinetics	<b>Masashi Hatanaka</b> Tokyo Denki University, Japan
9:00-9:25AM	A13: Towards sustainable manufacturing of drugs with bioinspired polymers	<b>Gyorgy Szekely</b> The University of Manchester, UK
9:25-9:50AM	A14: An affinity of the hybrid Ethyl cellulose/ Si membrane films to the components of organic – aqueous solutions and its influence at the selectivity of membrane division	<b>Anna I.Suvorova</b> Ural's Federal University, Russia
9:50-10:15AM	A15: Efficient flocculation of various contaminants from water by well-prepared starch-based flocculants	<b>Hu Yang</b> Nanjing University (Xianlin Campus), China
10:15-10:30AM	Session Break	
<b>Session: Advanced Polymers for Medicine and Energy</b>		
<b>Chair: Anna I.Suvorova</b>		
10:30 -10:55AM	A16: Polymer-Enzyme Conjugate Strategy for Improving Stability and Performance	<b>Yasushi Sasai</b> Gifu Pharmaceutical University, Japan
10:55-11:20AM	A17: Novel absorption function of side chain crystalline block copolymer	<b>Shigeru Yao</b> Fukuoka University, Japan
11:20-11:45AM	A18: Polymers as an effective inhibitors for steels in petroleum industries: Surface and theoretical studies	<b>Ambrish Singh</b> Southwest Petroleum University, China
12:00-14:00 PM	Lunch Break	

<b>Wednesday March 15</b>		
<b>Room: A</b>		
<b>Session: Polymer Composites I Chair: Li Xu</b>		
14:25 -14:50PM	A19: Complex Viscoelasticity of Polymers used for Magnetic Tapes	<b>Brian L. Weick</b> University of the Pacific, USA
14:50 -15:15PM	A20: Ultrasonic Dispersion of Graphenes and Self-Healing of Spread Carbon Fiber/Epoxy Laminates Containing Graphenes	<b>Kazuaki Sanada</b> Toyama Prefectural University, Japan
15:15 -15:40PM	A21: Nonlinear Polymer Composite with Adaptive Dielectric Characteristics to Applied Electrical Field	<b>Jun Hu</b> Tsinghua University, China
15:40 -16:10PM	Session Break & <b>Poster</b>	
16:10-16:35PM	A22: Design of Polymer Networks using Dual Irradiation and Its Application to Functional Materials	<b>Haruyuki Okamura</b> Osaka Prefecture University, Japan
16:35P-17:00PM	A23: 2D Nanomaterials for EMI Shielding	<b>Chong Min Koo</b> Materials Architecturing Research Center, KIST, Korea
17:00-17:25PM	A24: Compreg laminated products from polymer bulking treatment of low density tropical wood	<b>Zaidon Ashaari</b> Universiti Putra Malaysia, Malaysia

<b>Wednesday March 15</b>		
<b>Poster session (15:40 -16:10PM)</b>		
P01	Physical Degradation Mechanism and Physical Regeneration Method of Recycled Plastics	<b>Shigeru Yao</b> Fukuoka University, Japan
P02	Thermally Conductive and Electrically Insulated Composites based on Modified Epoxy Resin and Laminated g-C3N4	<b>Zhifeng Hao</b> Guangdong University and Technology, China
P03	Hydroxyethyl Pachyman as a novel excipient for sustained-release matrix tablets	<b>Xianming Hu</b> Wuhan University, China
P04	Statistical Characteristics of Tensile Fracture Behavior in Polypropylene films	<b>Chunyao Li</b> Kanazawa University, Japan

**Thursday March 16****Room: A****Session: Polymer Physics Chair: Koh-hei Nitta**

8:35-9:00AM	A25: Finsler geometry modeling of liquid crystal elastomers: bending under light illumination	<b>Hiroshi Koibuchi</b> National Institute of Technology, Ibaraki College, Japan
9:00-9:25AM	A26: Effect of plasticizing molecules on the molecular dynamics of polylactide	<b>Eric Dargent</b> Université de Rouen-Normandie, France
9:25-9:50AM	A27: Bottlebrush molecules in melts	<b>Jaroslav Paturej</b> University of Szczecin, Poland
9:50-10:15AM	A28: Unravelling the surface composition of topologically-different polymer blends	<b>Giuseppe Pellicane</b> School of Chemistry and Physics - UKZN, South Africa
10:15-10:30AM	Session Break	
<b>Session: Polymer Dynamics &amp; Olefins Polymerization Chair: Eric Dargent</b>		
10:30 -10:55AM	A29: Effects of Substituents on Polymer Glass Transition Dynamics	<b>Takashi Sasaki</b> University of Fukui, Japan
10:55-11:20AM	A30: Bending behavior of polyethylene forms	<b>Koh-hei Nitta</b> Kanazawa University, Japan
11:20-11:45AM	A31: Controlled $\alpha$ -Olefin Polymerization by Zirconium Complexes Having an [OSSO]-Type Bis(phenolate) Ligand	<b>Norio Nakata</b> Saitama University, Japan
12:00-14:00 PM	Lunch Break	

**Thursday March 16**

**Room: A**

**Session: Polymer Composites II Chair: Brian L. Weick**

14:00 -14:25PM	A32: Crosslinking of Continuous Glass Fiber-Reinforced Polypropylene Composites by e-Beam generated Hydroperoxides	<b>Michael Thomas Müller</b> Leibniz-Institut für Polymerforschung Dresden e.V., Germany
14:25 -14:50PM	A33: Tensile Behavior of Hydrophobic Agent-Treated Cellulose Nanocrystal/Polypropylene Composite	<b>Kazuya Nagata</b> Toyama Prefectural University, Japan
14:50 -15:15PM	A34: Corrosion Protection of Rebar in Concrete	<b>Sangeeta Gadve</b> Visvesvaraya National Institute of Technology, India
15:15 -15:40PM	A35: High Performance Polymer Composite Food Packaging	<b>Li Xu</b> Institute of Materials Research and Engineering(A*STAR), Singapore
15:40 -15:55PM	Session Break	
15:55-16:20PM	A36: Nano silver polymer composite	<b>Pratima Parashar Pandey</b> IILM College of Engineering and Technology, India
16:20P-16:45PM	A37: Polypropylene Nanocomposites as recyclable insulation material for HVDC power cable	<b>Jinliang He</b> Tsinghua University, China
16:45-17:10PM	A38: Polymer-based nanocomposites with high energy and power densities toward capacitive energy storage at elevated temperature	<b>Qi Li</b> Tsinghua University, China
17:10-17:35PM	A39: Characterization and properties of natural fibre woven fabric-Poly (lactic acid) (PLA) biocomposites	<b>Nurul Fazita Binti Mohammad Rawi</b> Universiti Sains Malaysia, Malaysia
17:35 -18:00PM	B02: Syntheses and Photodynamic activities of tetraphenyltetraphenanthroporphyrin derivatives	<b>Misaki Nakai</b> Kansai University, Japan