

08:15-08:45 Registrations
08:45-09:00 Opening Ceremony

June 13, 2019
Thursday
Hall: Armstrong

Keynote Session			
Time	Topic		Speakers
09:00-09:30	Preparation of Novel Nucleoside Analogues from Cyclobutane Precursors as Potential Antiviral Agents		Edward Lee-Ruff York University, Canada
09:30-10:00	Building with bubbles. Is it the start of a New generation of Catalysts?		Suresh Bhargava RMIT University, Australia
10:00-10:30	A faster, energy efficient way to manufacture fiber-reinforced thermoset-matrix composites using frontal polymerization		Philippe H. Geubelle University of Illinois, USA

Group Photo

Coffee Break 10:30 -10:50 @ Foyer

Conference Agenda | Morning Session

Sessions Polymer Chemistry, Multidisciplinary Chemistry

Chairs **Edward Lee-Ruff**, York University, Canada
Isabelle Lampre, University Paris-Sud, France

10:50-11:10	The Case for Entropy Driven Fluorophilic Association in Fluorocarbon Functionalized Polymers		T. E Hogen Esch University of Southern California, USA
11:10-11:30	Super-elastic functional hydrogel strengthened by cement-released nanoparticles at low-content		Guoxing Sun Institute of Applied Physics and Materials Engineering, University of Macau, Macao
11:30-11:50	Mono- and bimetallic Gold-Silver nanoparticles stabilized by calix[8]arenes: radiolytic synthesis, characterizations and applications		Isabelle Lampre University Paris-Sud, France
11:50-12:10	Fighting against auto- and background fluorescence		Péter Kele Research Centre for Natural Sciences, Hungarian Academy of Sciences, Hungary
12:10-12:30	Responsive polymeric materials for sensors and catalytic applications		Samarendra Maji SRM Institute of Science and Technology, India
12:30-12:50	Magnetic and Impedance Analysis of Fe ₂ O ₃ Nanoparticles for chemical Warfare Agent Sensing Applications		Adam J Hauser The University of Alabama, United States
12:50-13:10	Effect of molecular weight distribution on the fatigue behavior of polymers		Denis Rodrigue Université Laval, Canada

Lunch Break 13:10 -14:00 @ Restaurant

Conference Agenda | Chemicals and Materials Science, Multidisciplinary Chemistry

Chairs **Eric Buhler**, University Paris Diderot, France
Yasuhiko HAYASHI, Okayama University, Japan

14:00-14:20	Investigating the Removal of Tabun Nerve Agent Using Fe ₂ O ₃ Nanoparticles		Jennifer R. Soliz U.S. Army Combat Capabilities Development Command Chemical Biological Center, USA
14:20-14:40	Integration of molecular machines into supramolecular polymeric materials		Eric Buhler University Paris Diderot, France
14:40-15:00	Tuning of BiFeO ₃ multiferroic properties by light doping with Nb		Aleksandar Radojković Institute for Multidisciplinary Research, University of Belgrade, Serbia
15:00-15:20	Joule heating in carbon nanotube yarns under different atmospheres		Yasuhiko HAYASHI Okayama University, Japan
15:20-15:40	Synthesis and characterization of luminescent silica		Ilaria Zanoni CNR-ISTEC-National Research Council of Italy and University of Trieste, Italy
15:40-16:00	Atomic-scale characterization of nanocarbons for hydrogen energy application using high-resolution transmission electron microscopy		Kun'ichi Miyazawa Tokyo University of Science, Japan

Coffee Break 16:00-16:20 @ Foyer

16:20-16:40	Colorless-to-Black Solid-state Electrochromic Devices with High Optical Contrast Based on Cross-linked Poly(4-vinyltriphenylamine)		Ping Liu South China University of Technology, China
16:40-17:00	New class of artificial enzyme composed of Mn-porphyrin, imidazole, and cucurbit[10]uril toward use as a therapeutic antioxidant		Riku Kubota Tokyo Metropolitan University, Japan
17:00-17:20	Vacuum ultraviolet photoluminescence of diamonds		Bing-Ming Cheng National Synchrotron Radiation Research Center, Taiwan
17:20-17:40	Free Volume Properties of High Performance Aramid Fibers		Ramasubbu Ramani Defence Bioengineering and Electromedical Laboratory, India

Panel Discussions

June 14, 2019
Friday
Hall: Armstrong

Keynote Session		
Time	Topic	Speakers
09:00-09:30	Graphene Coating for Corrosion Resistance	Raman Singh Monash University - Clayton Campus, Australia
09:30-10:00	Modeling motor molecules	Michel A. Van Hove Hong Kong Baptist University, Hong Kong
10:00-10:30	Metal-free reduction and organocatalytic stereoselective reactions of nitro derivatives	Maurizio Benaglia Università degli Studi di Milano, Italy
Conference Agent Biochemistry and Medicinal Chemistry, Renewable Energy & Emerging Energy Materials		
Chairs	Michel A. Van Hove , Hong Kong Baptist University, Hong Kong Maureen Kendrick Murphy , Huntingdon College, USA	
10:30-10:50	Metals in Biological Systems: What is Nature Telling Us?	Maureen Kendrick Murphy Huntingdon College, USA
10:50-11:10	Azobenzene-tethered DNA for photo-regulation of nano-structures	Hiroyuki Asanuma Nagoya University, Japan
Coffee Break 11:10 -11:30 @ Foyer		
11:30-11:50	Long Term Cell Culture, Micromanipulation and Time Lapse Assays with a Novel Versatile on-Stage Microfluidic System	Yao-Xiong Huang Ji Nan University, China
11:50-12:10	A single-tube approach for in vitro diagnostics using diatomaceous earth and optical sensor	Yong Shin University of Ulsan College of Medicine and Asan Medical Center, South Korea
12:10-12:30	Discovery of the D2/D3/5-HT1A/5-HT2A receptor antagonist SIP16398: Preclinical Candidate as antipsychotic Therapy	Xiaowen Chen Shanghai Institute of Pharmaceutical Industry, China
12:30-12:50	<i>meso</i> -dihydroguaiaretic acid derivatives. Molecular entities with potential use for the treatment of tuberculosis	María del Rayo Camacho-Corona Universidad Autónoma de Nuevo León, Mexico
12:50-13:10	A pentanoic acid derivative targeting matrix metalloproteinase-2 (MMP-2) blocks proliferation and invasion in cancer cells	Tarun Jha Jadavpur University, W. B, India
13:10-13:30	Synthesis of hierarchical silica monolith by Pickering emulsions to encapsulate spinach chloroplasts for CO ₂ adsorption	Alicia Sommer Marquez Yachay Tech University, Ecuador
Lunch Break 13:30 -14:20 @ Restaurant		
Conference Agent Organic Chemistry, Industrial Chemistry and Green Chemistry		
Chairs	Prof. Raman Singh , Monash University - Clayton Campus, Australia Hiroyuki Asanuma , Nagoya University, Japan	
14:20-14:40	Nitroxides in physicochemistry and technology of cotton and cellulose	Likhtenshtein Gertz Ben-Gurion University of the Negev Beer-Sheva, Israel & Institute of Problems of Chemical Physics, Russian Academy of Science, Moscow Region, Russia
14:40-15:00	Synthetic Approach to Icetexanes by using Transition Metal-Catalyzed Cyclizations	Chang Ho Oh Hanyang University, South Korea
15:00-15:20	Asymmetric synthesis with cinchona-based cyclodextrin organocatalysts in a synthesis separation integrated continuous flow reactor	Jozsef Kupai Budapest University of Technology and Economics, Hungary
15:20-15:40	Boron trifluoride etherate-catalyzed selenation of aryl alkyl ketones with selenium dioxide: a facile single step synthesis of 2,2'-selenobis(1-aryllalkyl-1-one)	Bekington Myrboh North Eastern Hill University, India
15:40-16:00	A new approach to supplemental instruction using study skills education, writing interventions, and deliberate practice improves course performance and affect in the first quarter of general chemistry	Cynthia A. Stanich University of Washington, USA
16:00-16:20	Large-scale Formation of Polymer Blushes in Air	Atsushi Hozumi National Institute of Advanced Industrial Science and Technology (AIST), Japan
Coffee Break 16:20 -16:40 @ Foyer		
16:40-17:00	Peat, a valuable and underused raw material	Jüri Liiv Tartu University, Estonia
17:00-17:20	Green synthesis of propanoic acid by hydrocarboxylation of ethylene over supported rhodium catalysts	Jenő Bódis Babeş-Bolyai University, Romania
17:20-17:40	Nanoporous Carbon for Removal of Water Contaminants and Gold Processing: Fullerene-Like Curved Carbon Sheet Structures	Chun-Yang-Yin Newcastle University in Singapore, Singapore
17:40-18:00	Selective Aerobic Oxygenation of Hydrocarbons Using Photoredox Catalysts	Kei Ohkubo Osaka University, Japan
Panel Discussions		

Chair Tsuyoshi Nishi, Ibaraki University, Japan

Time	Topic	Speakers
09:00-09:20	DNA-mediated global positioning system	Jian-Jun SHU Nanyang Technological University, Singapore
09:20-09:40	Design and Synthesis of Artificial Supramolecular Systems Possessing Highly Cooperative Functions	Tatsuya Nabeshima University of Tsukuba, Japan
09:40-10:00	Cyanobacterial biopolymers with ultra-high molecular weight and their biofunction	Maiko Okajima JAIST, Japan
10:00-10:20	Molecular design of high-performance, degradable bioplastics	Tatsuo Kaneko JAIST, Japan
10:20-10:40	Studies on the effect of chlorpyrifos on hatching and morphology of anuran amphibians Polypedates teraiensis and Duttaphrynus melanostictus embryos using scanning electron microscopy	Rupa Nylla K. Hooroo North Eastern Hill University, India
10:40-11:00	Study of electronic transport properties of graphene-polymer nanocomposites	Roxana M. Del Castillo Universidad Nacional Autónoma de México, Mexico

Coffee Break 11:00 -11:15 @ Foyer

11:15-11:35	XAFS study on americium oxides and americium and uranium mixed dioxide	Tsuyoshi Nishi Ibaraki University, Japan
11:35-11:55	Chirality and purity characterization of organic crystals using low frequency Raman spectroscopy	Hagit Aviv Bar-Ilan University, Israel
11:55-12:15	The surface chemistry of magnetite particles in high temperature water	Sonja Vidjokovic TU Delft, Netherlands
12:15-12:35	Green and comprehensive utilization of K-feldspar	Jiangyan Yuan China University of Geosciences (Beijing), P.R.China
12:35-12:55	Controlled synthesis of Ni _{0.85} Se nanosheets with different morphologies and their electrochemical performance	Yuqing Kuai China University of Geosciences, China

Lunch Break 12:55 -14:00 @ Restaurant**Thanks giving & Closing Remarks**