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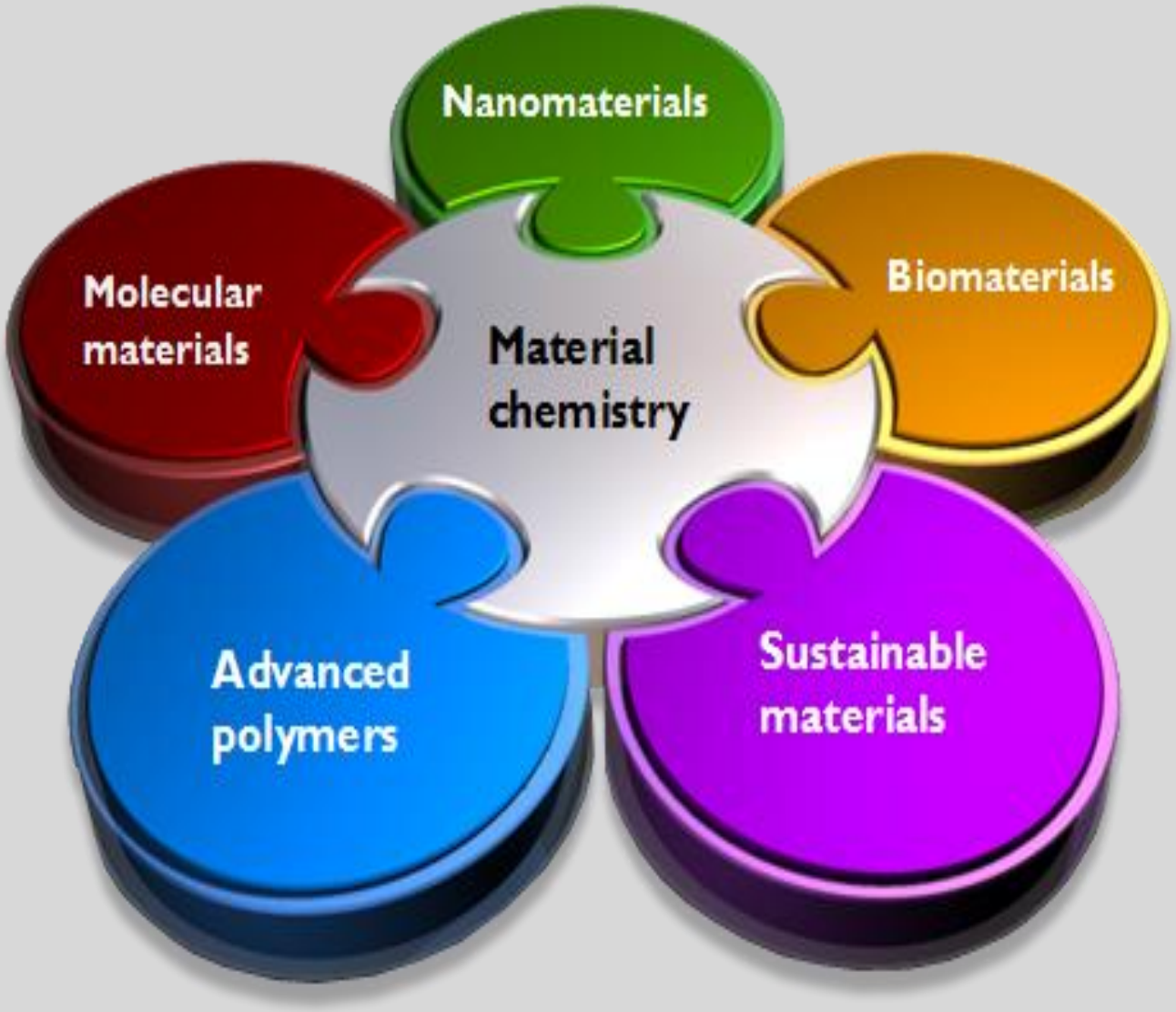
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Emerging Materials and Nanotechnology

Emerging Materials 2017

July 27-29, 2017 Vancouver, Canada

Theme: An exemplary conglomerate to savor the research in Materials Science and Nanotechnology



Conference Secretariat

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Accreditation

- *10th International Conference on Emerging Materials and Nanotechnology July 27-29, 2017 at Vancouver, BC, Canada accredited and certified by The CPD Standard Office, UK*

- *"Attendees will be certified with 25 CPD credits (25 hrs.) and also with the certification by the International Organizing Committee Members (IOCM) of the conference"*

Organizing Committee Members



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University of Alberta
Canada



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Washington University
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Gallery of Materials Science 2016

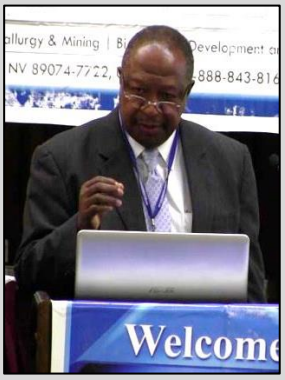
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Materials Science 2016

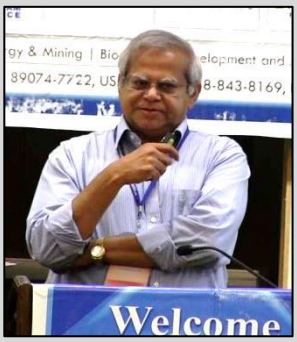
























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Emerging Materials and Nanotechnology

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****Note: This Program has been designed with the tentative schedule and timings. Dates and timings in this Program are subject to change at any time**

Keynote Presentations in Emerging Materials 2017

Title: Small things offer big promise
Carlo Montemagno, University of Alberta, Canada
Title: Progress in semiconductor materials and processes for printed transistors
Beng S Ong, Hong Kong Baptist University, Hong Kong
Title: Ni-based nanomaterials for high efficiency supercapacitors in energy storage
Hao Gong, National University of Singapore, Singapore
Title: Probing the nano-scale with the use of Nano-Opto-Mechatronics Instruments (NOMI)
Hamed Sadeghian, TNO, Netherlands

Workshop in Emerging Materials 2017

Emerging nano-porous metal-organic frameworks materials for applications related to energy efficiency and environmental sustainability



Youssef Belmabkhout
KAUST, Saudi Arabia

Invited Speeches in Emerging Materials 2017

Title: Gold-based emerging nanomaterials for imaging and experimental cancer therapy
Anton Liopo, The University of Texas MD Anderson Cancer Center, USA
Title: Strategic modification of nanostability for super thermal insulating materials
Jingyang Wang, Chinese Academy of Sciences, China
Title: Nanocarbon composites for mechanical and barrier applications
Ken Bosnick, National Research Council Canada, Canada

Title: Plasmon-enhanced optoelectronic devices based on metal nanostructures
Lin Jiang, Soochow University, China
Title: To explore nano world and material structure stress by X-ray nano probe at Taiwan photon source
Shao-Chin Tseng, National Synchrotron Radiation Research Center, Taiwan
Title: Tire rubber material characterization for effective structural and fatigue modeling and analysis
Samuel Frimpong, Missouri University of Science and Technology, USA
Title: Rapid conversion of lipids into biopolymers and conjugates
Aman Ullah, University of Alberta, Canada
Title: DEM modeling of oil sands materials structures
Samuel Frimpong, Missouri University of Science and Technology, USA
Title: Nano-Si: With good performance in solar cells and lithium ion batteries
Zhihao Yue, Nanchang University, P.R. China

Speaker Slots Available
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Title: Suspension thermal sprayed nanocomposite WC-Co coatings: nanoindentation assessment
Matheus F A Goosen, Alfaisal University, Saudi Arabia
Title: Scaling a way for revealing self-similar features of materials and new applications
Krzysztof Z Sokalski, Czestochowa University of Technology, Poland
Title: Laser assist break of hard and brittle materials
Etsuji Ohmura, Osaka University, Japan
Title: The potential of improving building construction materials by a biomimetic approach
Klaus G. Nickel, University Tübingen, Germany
Title: Lanthanides-redox ligands for single molecule magnets and luminescence
Lahcène Ouahab, CNRS, Université de Rennes 1, France
Title: Crystal growth of Na-Si clathrates by the flux method
Haruhiko Morito, Tohoku University, Japan
Title: Self-organized periodic nanostructures on the surfaces of semiconductors and dielectrics by scanning femtosecond laser pulses
Ki-Soo Lim, Chungbuk National University, Korea

Title: Photochromic organic field-effect transistors: Molecules, device properties and laser patterning of circuits
Yutaka Wakayama, National Institute for Materials Science (NIMS), Japan
Title: Temperature-dependent hard X-ray excited optical luminescence to study the optical properties of the ZnO microwires
Bi-Hsuan Lin, National Synchrotron Radiation Research Center, Taiwan
Title: Growth, structural and electrical properties of VO_2/ZnO nanostructures
Sang-Wook Han, Jeonbuk National University, South Korea

Young Researcher Presentations in Emerging Materials 2017

Title: Bacteria can enhance mechanical strength of a porous medium
Swayamdipta Bhaduri, University of Alberta, Canada
Title: The effect of the rolling direction on the texture and barkhausen noise in non-oriented electrical steels
Mehdi Mehdi, University of Windsor, Canada

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Poster Presentations in Emerging Materials 2017

Title: Au, Ag, and Tio_2 Green synthesis and applications as antibacterial for both gram positive and gram negative strain
Nada E Omer, University of Dammam, Saudi Arabia
Title: The effect of intermediate annealing on the texture evolution of 2.8% non-oriented electrical steel using skew cold rolling
Mehdi Mehdi, Canmet MATERIALS, Canada
Title: Fabrication of multiplexed plasmonic nanoparticle structures based on AFM lithography
Jianmei Chen, Soochow University, China
Title: The effect of preparation conditions on the ion-exchange properties of LTA zeolite prepared from local silica
Samia Kosa, King Abdulaziz University, Saudi Arabia

Title: Number of layer dependent direct optical transition from monolayer to pentalayer in synthesized large area $MoSe_2$

Jae-Hun Jeong, Yonsei University, South Korea

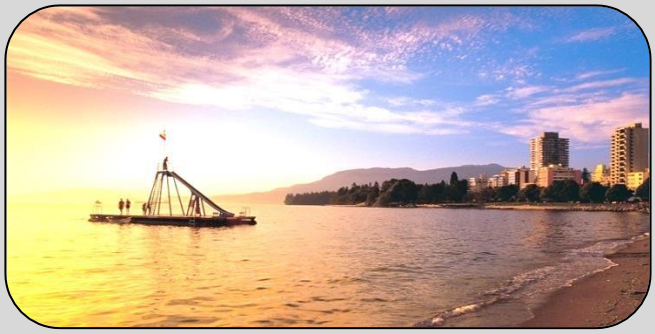
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English Bay



H. R. MacMillan Space Centre



Sun Yat-Sen Classical Chinese Garden



River Rock Casino Resort





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Lions Gate Bridge	Vancouver Aquarium

Look forward to see you at Vancouver…