

MATERIALS SUMMIT

IAS Materials Summit Program

Date: 27 June (Wednesday)

Time: 15:30 to 17:30

**Venue: Connie Fan Multi-media Conference Room, 4/F, Cheng Yick-Chi Building,
City University of Hong Kong**

Time	Description / Presentation Title	Speaker
15:00 – 15:30	Registration	
15:30 – 15:35	Opening Remarks	Prof. Jacob HUANG Executive Director Institute for Advanced Study Chair Professor Department of Materials Science City University of Hong Kong, Hong Kong
15:35 – 16:00	Group A: Structural Materials	
	Nano-glasses: A New Family of Non-crystalline Solids with New Structures and Technological Applications	Prof. Herbert GLEITER Distinguished Senior Professor and Academician Institut für Nanotechnologie, KIT Karlsruhe, Germany Director Herbert Gleiter Institute of Nanoscience, China Senior Fellow Institute for Advanced Study City University of Hong Kong, Hong Kong
	New Nanostructured Materials Based on HEA Superalloys	Prof. Chain Tsuan LIU University Distinguished Professor and Academician Department of Materials Science and Engineering Senior Fellow Institute for Advanced Study City University of Hong Kong, Hong Kong
	Development of Dual Phase Supra-Nano Materials: Concept, Processing and Applications	Prof. Jian LU Chair Professor and Academician Department of Mechanical and Biomedical Engineering, Vice-President Research and Technology Senior Fellow Institute for Advanced Study City University of Hong Kong, Hong Kong

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Time	Description / Presentation Title	Speaker
16:00 – 16:25	Group B: Materials Performance	
	Advancing Materials with Defects – A Strategy to High-performance “Plain” Metals	Prof. Ke LU Professor, Director and Academician Shenyang National Laboratory for Materials Science, China Senior Fellow , Institute for Advanced Study City University of Hong Kong, Hong Kong
	Damage-Tolerance in Biological and Engineering Materials	Prof. Robert RITCHIE H. T. & Jessie Chua Distinguished Professor and Academician Departments of Materials Science & Engineering Departments of Mechanical Engineering University of California, Berkeley, USA Senior Fellow , Institute for Advanced Study City University of Hong Kong, Hong Kong
	Deformation Modes in Nanocrystalline Materials: New Insights from Theory and Simulation	Prof. David SROLOVITZ Joseph Bordogna Professor and Academician Department of Materials Science and Engineering, University of Pennsylvania, USA Senior Fellow , Institute for Advanced Study City University of Hong Kong, Hong Kong
16:25 – 17:00	Group C: Functional Materials	
	Nanomaterials for Plasmonic Devices	Prof. Lih-Juann CHEN Distinguished Research Chair Professor and Academician Department of Materials Science and Engineering Former University President National Tsing Hua University, Taiwan
	Development Trend of the Combinatorial Materials Chips	Prof. Xiaodong XIANG Chair Professor Department of Materials Science and Engineering Southern University of Science and Technology, China Initiator and Inventor Materials Genome Technology
	Printable Solar Cells for Scalable Solar Energy	Prof. Alex JEN Boeing/Johnson Chair Professor Vice-President and Provost Fellow of MRS, ACS, OSA, SPIE, AAAS, PMSE Department of Materials Science and Engineering Department of Chemistry City University of Hong Kong, Hong Kong
	Promising Directions of Biomaterials	Prof. Kam W. LEONG Samuel Y. Sheng Professor and Academician Department of Biomedical Engineering Department of Systems Biology Columbia University, USA
17:00 – 17:30	Panel Discussion	