



<p><b>09:50 – 10:30</b> [40 mins]</p>	<p><b>Chair:</b> Professor Paul H.F. LAM (林向暉), City University of Hong Kong, Vice President of HKSTAM</p> <p><b>Distinguished Lecture II</b></p> <p><b>Professor Maosen CAO (曹茂森)</b></p> <p>College of Mechanics and Materials Hohai University</p> <p><b>“Wavelets-Driven Multiscale Dynamics Concepts for Structural Damage Detection”</b></p>
<p><b>10:30 – 11:00</b> [30 mins]</p>	<p>Photo Taking</p> <p>Coffee Break (3/F Lobby, Lee Shau Kee Building, PolyU)</p>
<p><b>11:00 – 11:40</b> [40 mins]</p>	<p><b>Chair:</b> Professor Zhongqing SU (蘇衆慶), The Hong Kong Polytechnic University, Secretary of HKSTAM</p> <p><b>Distinguished Lecture III</b></p> <p><b>Professor Quan WANG (王泉)</b></p> <p>Chair Professor, Department of Architecture and Civil Engineering City University of Hong Kong</p> <p><b>“Energy Harvesting from Ocean Waves by Piezoelectric Technologies”</b></p>
<p><b>11:40 – 12:20</b> [40 mins]</p>	<p><b>Chair:</b> Professor Maosen CAO (曹茂森), Hohai University, Vice Secretary of JSTAM</p> <p><b>Distinguished Lecture IV</b></p> <p><b>Professor Jinxing LIU(劉金興)</b></p> <p>Associate Head and Professor, Department of Engineering Mechanics and Science Jiangsu University</p> <p><b>“Strain Gradient Elasto-Plasticity Meeting Some Newest Challenges”</b></p>
<p><b>12:20 – 14:00</b> [1 hour 40 mins]</p>	<p><b>Buffet Lunch</b> at 4/F of the Communal Building, PolyU (香港理工大學南北小廚)</p> <p>Speakers of the following sessions please load their presentation files onto the computers in this break.</p>

**April 8, 2017, Saturday Afternoon (Lee Shau Kee Building, PolyU)**

<b>14:00 – 15:30</b> [1 hr 30 mins]	<b>Session A1</b> [Seminar Room Y302] Chair: Prof. Haimin YAO	<b>Session B1</b> [Seminar Room Y304] Chair: Prof. Jidong ZHAO	<b>Session C1</b> [Seminar Room Y305] Chair: Prof. Xinrui NIU	<b>Session D1</b> [Seminar Room Y306] Chair: Prof. Hui TANG
14:00 – 14:15 [15 mins]	<b>ZHAN Yuexing</b> (CityU) Effect of nanoparticle/polymer interphase on visco-hyperelastic behavior of nanocomposite hydrogels	<b>WANG Bin</b> (NUAA) Forward and inverse studies on scattering of the Rayleigh wave	<b>XIN Zhiqiang</b> (Hohai U) Suppression of the Wake Vortex of Self-propelled Locomotion of the Three Dimensional Travelling Wave Wall	<b>FAN Jihua</b> (JUST) 基於 B 樣條插值方法的旋轉內接柔性懸臂梁動力學研究
14:15 – 14:30 [15 mins]	<b>GAO Libo</b> (CityU) High-entropy alloy (HEA) nanolattice composites and their mechanical properties	<b>SHA Ganggang</b> (Hohai U) CWT based damping estimation for condition diagnosis of RC structures	<b>GUAN Ben</b> (PolyU) Investigation on Shock Induced Stripping Breakup Process of A Liquid Droplet	<b>XU Shang</b> (CityU) Mechanical Behavior and Structural Stability of Au Nanostructures
14:30 – 14:45 [15 mins]	<b>GAO Xiang</b> (HKUST) Molecular Dynamics Study of Ion Transport in Carbon Nanotubes	<b>HU Zhongyu</b> (PolyU) Vibro-acoustic System Modelling by the Condensed Transfer Function Approach	<b>KONG Yong</b> (HKUST) Understanding the Physics of Dead Zone in Debris Flow - Microstructure and Jamming Transition	<b>CHU Henry</b> (Cornell U) Accelerated Stokesian Dynamics Simulations of Active Microrheology: Microviscosity, Microdiffusivity and Suspension Stress
14:45 – 15:00 [15 mins]	<b>YAO Zijian</b> (CityU) Role of particle primary aggregation on the mechanical properties of particle reinforced polymer composites	<b>ALABI Stephen Adeyemi</b> (CityU) Selection of Appropriate Rail-Sleeper-Ballast Modeling Method for Matching Field Test Time-Domain Data	<b>SHEN Lu</b> (PolyU) Application of Dielectric Barrier Discharge Plasma Actuator on Flow Control over a Delta Wing	<b>LUO Huahuang</b> (HKUST) Two-degree-of-freedom Nonlinear Mass-Damper-Spring Model to Predict the Capturing of Circulating Tumor Cells in Microfluidic-Elasto-Filtration Chips
15:00 – 15:15 [15 mins]	<b>MA Hei Lam</b> (PolyU) Mechanical properties of coiled carbon nanotube/epoxy adhesive at cryogenic environment	<b>CHENG Zhiliang</b> (UMac) Deflection measurement of thin-walled hollow tube with embedded FBG sensors	<b>LIU Chun-Ho</b> (HKU) On Plume Dispersion after Line Source in Crossflows over Rough Surfaces	<b>ZHANG Hongti</b> (CityU) Deformation mechanism transition in single crystalline gold nanowires with diameters below 100nm
15:15 – 15:30 [15 mins]	<b>CAO Ke</b> (CityU) in-situ investigation of the mechanical properties of CNT yarns	<b>SHAN Shengbo</b> (PolyU) Detection of Breathing Cracks with the Second Harmonic Shear-Horizontal (SH) Waves	<b>AHMAD Shakeel</b> (PolyU) LBM Simulation of Successive Impingement of Two Droplets on an Inclined Surface	<b>ZHOU Tong</b> (PolyU) Dynamic and Static Analysis of a Double-Layered Compound ‘Acoustic Black Hole’ Beamlike Structure
<b>15:30 – 15:45</b> [15 mins]	<b>Coffee Break (3/F Lobby, Lee Shau Kee Building, PolyU)</b> Speakers of the following sessions please load their presentation files onto the computers in this break.			

<b>15:45 – 17:15</b> <b>[1 hr 30 mins]</b>	<b>Session A2</b> <b>[Seminar Room Y302]</b> <b>Chair: Prof. Wanhuan ZHOU</b>	<b>Session B2</b> <b>[Seminar Room Y304]</b> <b>Chair: Prof. Yi-Kuen LEE</b>	<b>Session C2</b> <b>[Seminar Room Y305]</b> <b>Chair: Prof. Wenjing YE</b>	<b>Session D2</b> <b>[Seminar Room Y306]</b> <b>Chair: Prof. Yang LU</b>
15:45 – 16:00 [15 mins]	<b>NIU Xinrui</b> (CityU) Elastic Modulus of Rat Liver from 8 to 22 °C	<b>SUN Guangjun</b> (Nanjing Tech U) Multi-scale Modeling in Concrete Structure Seismic Damage and Collapse	<b>HE Bin</b> (Nanjing Tech U) 流體熱控針灸針的熱-流耦合特性分析	<b>LIANGWeijian</b> (HKUST) Hierarchical MPM-DEM couple model for granular material
16:00 – 16:15 [15 mins]	<b>JIANG Chenchen</b> (CityU) Robotic Aid Micro-Mechanical System for Microwire Torsional Testing	<b>SENETAKIS Kostas</b> (CityU) Experimental contact mechanics of weathered tuff granules	<b>ZHANG Fu</b> (PolyU) Light/Heavy RM instability driven by cylindrical imploding shocks	<b>WANG Xiaoyi</b> (HKUST) Theoretical Modeling of Micro Thermal Accelerometer
16:15 – 16:30 [15 mins]	<b>LAM King Cheong</b> (PolyU) Room temperature methane gas sensor based on in-situ reduced graphene oxide incorporated with tin dioxide	<b>MA Li</b> (PolyU) Vibration of a plate with central power law profile by wavelet decomposition Rayleigh Ritz Method	<b>PENG Huayi</b> (CityU) Wake Measurement of an H-Rotor Vertical Axis Wind Turbine via Wind Tunnel Testing	<b>Wang Jianbiao</b> (PolyU) Investigating the deformation mechanism of high entropy alloy AlCuFeCrNi <sub>1.4</sub> based on experimentally validated atomistic model
16:30 – 16:45 [15 mins]	<b>SONG Jian</b> (CityU) Flexural bending behavior of body-centred-cubic (BCC) meso-lattice structures	<b>HU Jun</b> (CityU) Investigation on the Modal Properties of a Footbridge under Strong Wind	<b>QADRI Muhammad Nafees Mumtaz</b> (PolyU) Energy Extraction through a Passively Oscillating Hydrofoil	<b>CHEN Yong-zhan</b> (UMac) Enhancement of the Strength Properties of Pb Contaminated Soil Using Nanoscale Zero Valent Iron (nZVI)
16:45 – 17:00 [15 mins]	<b>WANG Yongli</b> (CityU) Diameter Effect on Mechanical Behaviours of Human Hair	<b>DU Chunyang</b> (HKUST) Ground-motion amplification considering coupled soil-topography effects: region-scale 3D simulation for Hong Kong island	<b>ZHAO Fuwang</b> (PolyU) Experiments analysis of two-dimensional motion of a freely falling circular cylinder with non-uniform mass distribution	<b>ANSARI Talha Qasim</b> (PolyU) A Diffused Interface Model for Localized Corrosion
17:00 – 17:15 [15 mins]		<b>CHEN Weibin</b> (UMac) 3D DEM modelling on the interface directional shearing behavior between soil and structure	<b>SHANG Yuhe</b> (HKUST) Condensation Heat Transfer Modelling and Optimization of Biphilic Surfaces	
17:30 – 17:45 [15 mins]	<b>Closing Ceremony and Award Presentation [Y305, Lee Shau Kee Building, PolyU]</b> Attendees: All conference participants			
17:45 – 18:30 [45 mins]	<b>HKSTAM Annual General Meeting [Y305, Lee Shau Kee Building, PolyU]</b> Attendees: Representatives of all Institution Members and all Full HKSTAM Members			
18:30 – 20:30	<b>Conference Banquet</b> at Lunch at 4/F of the Communal Building, PolyU (香港理工大學南北小廚)			



### **Hotels and Accommodation:**

We recommend the following hotels to conference delegates. These hotels are located close to PolyU campus, with a 40-minute taxi ride from Hong Kong International Airport, and a 10-minute walk to conference venue. Please contact the hotels to make your own reservation.

- Harbour Plaza Metropolis (都會海逸酒店), 7 Metropolis Drive, Hung Hom, Kowloon, Hong Kong
- Regal Kowloon Hotel (香港百樂酒店), 71 Mody Rd, Tsim Sha Tsui, Hong Kong
- Park Hotel Hong Kong (富豪九龍酒店), 61-65 Chatham Rd S, Tsim Sha Tsui, Hong Kong