

Physical Society  
of Hong Kong  
香港物理學會

**THE 19TH ANNUAL  
CONFERENCE OF THE  
PHYSICAL SOCIETY OF  
HONG KONG**

June 3-4, 2016

Location: Meng Wah Complex  
The Hong Kong University

**Conference Themes:**

- Soft Matter and Biophysics
- Condensed Matter and Devise Physics
- Other Physics (astrophysics, particle physics, nuclear physics, chemical physics)



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UNIVERSITY OF SCIENCE  
AND TECHNOLOGY



香港大學  
THE UNIVERSITY OF HONG KONG



# The 19<sup>th</sup> Annual Conference of The Physical Society of Hong Kong June 3-4, 2016

## The Hong Kong University

Conference Themes:

- Soft Matter and Biophysics
- Condensed Matter and Device Physics
- Other Physics

### PLENARY SPEAKERS:

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- **Professor Sir Arnold Wolfendale**  
*Durham University, UK*  
Title: A Century of Cosmic Ray Research: what has been discovered and where do we go from here?
- **Professor Zikang Tang**  
*UM, Macau*  
Title: Stable ZnO ultraviolet light-emitting devices after a breakthrough of table p-n junction
- **Professor Kam-Biu Luk**  
*UC Berkeley*  
Title: Progress and Prospects of Neutrino Oscillation
- **Professor Michel A. Van Hove**  
*HKBU*  
Title: Mechanisms of Molecular Machines

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Co-organized by:



Department of Physics

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## *Program Notes:*

*[P] – indicates plenary "key note" speaker*

*[I] – indicates invited speaker*

*[C] – indicates contributed speaker*

*[S] – indicates student contributed speaker*

## Conference Schedule: Day 1 (June 3, 2016)

| Time          | Session(s)   |   |  |
|---------------|--|---|--|
| 8:30 – 9:00   | <b>Registration</b>  |   |  |
|               | <b>Opening and Plenary Session 1 (Chair: Prof. Quentin Parker)</b><br>Venue: MWT2  |   |  |
| 9:00 – 9:10   | <b>Opening Speech (HKU Vice Chancellor, Prof. Peter Mathieson)</b>   |   |  |
| 9:10 – 9:50   | <b>Professor Sir Arnold Wolfendale</b><br>(Durham University, UK)<br>"A Century of Cosmic Ray Research: what has been discovered and where do we go from here?" [P]                |   |  |
| 9:50 – 10:15  | <b>Professor Leihan Tang (HKBU)</b><br>"Plateau behaviour in the violation spectrum of the fluctuation-response relation in nonequilibrium systems with time-scale separation" [I] |   |  |
| 10:15 – 10:40 | <b>Professor Jianfang Wang (CUHK)</b><br>"Colloidal Gold Nanocups with Orientation-Dependent Plasmonic Properties" [I]   |   |  |
| 10:40 – 11:10 | <b>Photo Taking &amp; Tea Break</b>  |   |  |
|               | <b>Plenary Session 2 (Chair: Prof. Leihan Tang)</b><br>Venue: MWT2   |   |  |
| 11:10 – 11:50 | <b>Professor Zikang Tang (UM, Macau)</b><br>"Stable ZnO ultraviolet light-emitting devices after a breakthrough of stable p-n junction" [P]  |   |  |
| 11:50 – 12:15 | <b>Professor Jianbin Xu (CUHK)</b><br>"Graphene-like materials and the related photonic devices" [I]   |   |  |
| 12:15 – 12:40 | <b>Professor Wang Yao (HKU)</b><br>"Valley-spintronics in 2D semiconductors" [I]   |   |  |
| 12:40 – 14:00 | <b>Lunch Break</b>   |   |  |
|               | <b>Theme 1:<br/>Soft Matter and Biophysics</b><br>Venue: MWT2  | <b>Theme 2:<br/>Condensed Matter and Device Physics</b><br>Venue: MWT5  | <b>Theme 3:<br/>Other Physics</b><br>Venue: MWT6   |
|               | Session 1.1 Biophysics<br>(Chair: Prof. Jue Shi)   | Session 2.1 Condensed Matter and Device Physics<br>(Chair: Prof. Junyi Zhu)   | Session 3.1 Astrophysics and Particle Physics<br>(Chair: Prof. Quentin A Parker)   |
| 14:00 – 14:25 | <b>Hao Yuan Kueh (Caltech)</b><br>"Chance and individuality in mammalian cell fate decisions" [I]  | <b>Kam Tuen Law (HKUST):</b><br>"Ising Superconductivity and Majorana fermions in superconducting transition metal dichalcogenides" [I] | <b>Tjonnie G.F. Li (CUHK)</b><br>"Dawn of gravitational-wave astronomy" [I]  |
| 14:25 – 14:50 | <b>Jiangwen Zhang (HKU)</b><br>"Identification of DNA methylation Events Driving Cancer Progression" [I]   | <b>Roy Vellaisamy (CityU)</b><br>"Interface engineering for non-volatile memory devices" [I]  | <b>Xingang Chen, Mohammad H. Namjoo &amp; Yi Wang (HKUST)</b><br>"Clocks of the Primordial Universe" [C]                 |
|               |  |   | <b>Seyed Abdolreza Sadjadi (HKU)</b><br>"Quantum Chemical Interpretation of Interstellar Infrared Bands" [C]             |
| 14:50 – 15:15 | <b>Changsong Zhou (HKBU)</b><br>"Stochastic oscillation in self-organized critical states of small systems: sensitive resting state in neural systems" [I]                         | <b>Kwun Nam Hui (UM, Macau)</b><br>"Porous materials for high-rate energy storage applications" [I]                                     | <b>Vasiliki Fragkou (HKU)</b><br>"Exploring Free Floating Planets with Microlensing" [S]                                 |
|               |  |   | <b>Pablo Saz Parkinson (HKU)</b><br>"Searches for gamma-ray counterparts to Gravitational Wave sources" [C]              |
| 15:15 – 15:40 | <b>Xuhui Huang (HKUST)</b><br>"Investigation conformational  | <b>Wenjie Li (SIAT, CAS)</b><br>"Band alignment of CZTS at grain  | <b>Otto Akseli Hannuksela et al. (CUHK)</b><br>"Shadows Around the Giant: Dark Matter near Supermassive Black Holes" [S] |

|                      |  |   |  |
|----------------------|--|---|--|
|                      | <i>changes of biological macromolecules using kinetic network models</i> [I]   | <i>boundary</i> [I]   | <b>David Frew</b> (HKU)<br><i>"The H-alpha surface brightness - radius plane as a diagnostic for stellar ejecta"</i> [Late submission] [C]   |
| <b>15:40 – 16:05</b> | <b>Yi Wang</b> (CUHK)<br><i>"Cellular entry of nanodiamonds explored via molecular dynamics simulations"</i> [I]                                       | <b>Bin Li, Wingkin Ho, and Maohai Xie</b> (HKU)<br><i>"Epitaxy of strained topological insulator Bi<sub>2</sub>Se<sub>3</sub> thin films"</i> [S]                               | <b>Enoch Leung<sup>1</sup>, Tom Broadhurst<sup>2</sup>, and Jeremy Lim<sup>1</sup></b> (HKU and <sup>2</sup> other)<br><i>"On the Predictions of Early Galaxy Formation from Quantum Wave Dark Matter in the Hubble Frontier Fields"</i> [Late submission] [S] |
|                      |  | <b>Yi-Xin Xiao, Zhao-Qing Zhang and C. T. Chan</b> (HKUST)<br><i>"Existence of a topological subspace in apparently non-topological systems"</i> [S]                            | <b>Su Meng</b> (HKU)<br><i>"Indirect Search of Dark Matter Particle and Future MeV-PeV Telescopes"</i> [C]   |
| <b>16:05 – 16:35</b> | <b>Tea Break &amp; Posters</b>   |   |  |
|                      | Session 1.2 Flexible & low-dimension materials (Chair: Prof. Yang Chai)  | Session 2.2 Condensed Matter Physics (Chair: Prof. Xin Wang)  | Session 3.2 Chemical Physics (Chair: Prof. Ruiqin Zhang)   |
| <b>16:35 – 17:00</b> | <b>Lei Xu</b> (CUHK)<br><i>"Studying the collective motion of thermal and active systems with covariance matrix"</i> [I]                               | <b>Yue Zhao</b> (SUSTC, Shenzhen)<br><i>"Creating and Exploring Graphene Electron Optics with Local Probes"</i> [I]   | <b>Feng Wang</b> (CityU)<br><i>"Tuning lanthanide luminescence in core-shell nanoparticles"</i> [I]  |
| <b>17:00 – 17:25</b> | <b>Yang Lu</b> (CityU)<br><i>"Mechanically assisted self-healing of ultrathin gold nanowires"</i> [I]  | <b>Benjamin T. Zhou et al.</b> (HKUST)<br><i>"Ising superconductivity and Majorana fermions in transition-metal dichalcogenides"</i> [S]  | <b>Jinyao Tang</b> (HKU)<br><i>"Sub-bandgap excitation of quantum dots sensitized graphene photodetector"</i> [I]  |
|                      |  | <b>Noah. F. Q. Yuan et al.</b> (HKUST)<br><i>"Evidence on the Ising Superconductivity"</i> [S]  |  |
| <b>17:25 – 17:50</b> | <b>Yuen Hong Tsang</b> (PolyU)<br><i>"Optical limiting properties engineering for the novel two dimensional nanomaterials"</i> [I]                     | <b>Yi-Cai Zhang et al.</b> (HKU and others)<br><i>"Superfluidity of spin-orbit coupled (SOC) Bose-Einstein Condensate (BEC)"</i> [C]  | <b>Hang Yin et al.</b> (HKBU)<br><i>"Role of Fullerene Dispersity on Optimized Donor: acceptor Ratio in Bulk-heterojunction Organic Photovoltaic Cells"</i> [S]  |
|                      |  | <b>Wai Pang Sze, Yi Zhou, Tai Kai Ng</b> (HKUST and others)<br><i>"The study of Gutzwiller projection on XXZ spin chain model"</i> [S]  | <b>Juncao Bian et al.</b> (CityU)<br><i>"Graphitic Carbon Nitride Films: Synthesis, Properties, and Photoelectrochemical Applications"</i> [C]   |
| <b>17:50 – 18:15</b> | <b>Yuda Zhao</b> (PolyU)<br><i>"Layer-dependent metal-semiconductor transition in two-dimensional PtSe<sub>2</sub>"</i> [I]                            | <b>M. Naeem et al.</b> (CityU)<br><i>"Suppression of crystallization in a Ca-based bulk metallic glass under stress"</i> [S]  | <b>Zaw-Myo Win et al.</b> (CityU and others)<br><i>"Origin of C<sub>60</sub> nano array shrinking on Au (111): STM &amp; DFT study"</i> [S]  |
|                      |  | <b>Y. W. Cheung et al.</b> (CUHK and others)<br><i>"Second-Order Structural Transition in Superconductor La<sup>3</sup>Co<sup>4</sup>Sn<sup>13</sup>"</i> [Late submission] [C] | <b>Xiangguo Yin and Shizhong Zhang</b> (HKU)<br><i>"Universal Properties of One-dimensional Spinless Fermi Gases with P-wave Interaction"</i> [C]  |
| <b>18:15 – 18:30</b> | <b>Short Break</b>   |   |  |
| <b>18:30 – 19:30</b> | <b><u>PUBLIC LECTURE</u></b>   |   |  |
|                      | <b>Professor Sir Arnold Wolfendale</b> (Durham University, UK)<br><br><i>"From the Astrologers Royal of China to the Astronomers Royal of Britain"</i> |   |  |

## Conference Schedule: Day 2 (June 4, 2016)

| Time                     | Session(s)  |   |  |
|--------------------------|---|---|--|
|                          | <b>Theme 1:<br/>Soft Matter and Biophysics</b><br>Venue: MWT2   | <b>Theme 2:<br/>Condensed Matter and<br/>Device Physics</b><br>Venue: MWT5  | <b>Theme 3:<br/>Other Physics</b><br>Venue: MWT6   |
|                          | Session 1.3 Cellular Dynamics<br>(Chair: Prof. Yilin Wu, CUHK)  | Session 2.3 Device Physics and<br>Related (Chair: Prof. Johnny Ho,<br>CityU)  | Session 3.3 Chemical Physics<br>(Chair: Prof. Nian Lin)  |
| <b>9:00 –<br/>9:25</b>   | <b>Jiandong Huang</b> (HKU)<br>"Role of anterograde motor Kif5b<br>in clathrin-coated vesicle uncoating<br>and clathrin-mediated endocytosis--<br>How is plasma membrane protein<br>homeostasis maintained?" [I]  | <b>Stephen Sai-Wing Tsang</b><br>(CityU)<br>"Photovoltage Loss in Excitonic<br>Solar cells" [I]   | <b>Zhifeng Huang</b> (HKBU)<br>"Weakening chiroptical activity of<br>plasmonic nanospirals induced by<br>surface grafting with alkyl ligands"<br>[I]                                   |
| <b>9:25 –<br/>9:50</b>   | <b>Wei Huang</b> (SUSTC)<br>"Quantitative characterization of a<br>mesenchyme pattern formation<br>system" [I]  | <b>Ho Bun Chan</b> (HKUST)<br>"The Casimir force in silicon<br>micromechanical systems" [I]   | <b>Dangyuan Lei</b> (PolyU)<br>"Plasmonic Fano Resonances in<br>Metallic Nanoclusters for<br>Ultrasensitive Biosensing and<br>Efficient Second-harmonic<br>Generation" [I]             |
| <b>9:50 –<br/>10:15</b>  | <b>Kevin Chun Chan and Jun Fan*</b> (CityU)<br>"Molecular dynamics flexible fitting studies<br>of ACAP1 protein lattices" [S]   | <b>Tiantian Huan and Hou Ian</b><br>(UM, Macau)<br>"Two-qubit cooperativity and<br>synchronicity in a superconducting<br>circuit" [S]                             | <b>Guoqing Lyu et al.</b> (HKUST and others)<br>"Tunable surface-confined lanthanide-<br>directed networks by exploiting coordinative<br>flexibility through ligand stoichiometry" [S] |
|                          | <b>Yujiao Zhu*, Xiaowen Huang, and<br/>Xuming Zhang</b> (PolyU)<br>"Artificial photosynthesis on a chip:<br>Enzymatic synthesis of glucose precursor<br>with rubisco immobilized" [S]   | <b>Tilen Cadez and Jose M. P. Carmelo</b><br>(CSRC, Beijing)<br>"Spin dynamical correlation functions of<br>the half-filled 1D Hubbard model" [C]                 | <b>Qiushi Zhang et al.</b> (HKUST and other)<br>"Switching Molecular Kondo Effect via<br>Supramolecular Interaction" [S]   |
| <b>10:15 –<br/>10:45</b> | <b>Tea Break &amp; Posters</b>  |   |  |
|                          | Session 1.4 Cellular Dynamics<br>(Chair: Prof. Yilin Wu, CUHK)  | Session 2.4 Device Physics and<br>Related (Chair: Prof. Stephen<br>Sai-Wing Tsang, CityU)   | Session 3.4 Nuclear Physics,<br>Spectroscopy, and Statistical<br>Physics (Chair: Prof. Zhifeng<br>Huang)   |
| <b>10:45 –<br/>11:10</b> | <b>Yilin Wu</b> (CUHK)<br>"Motion in thin films of bacterial<br>suspensions" [I]  | <b>Johnny Ho</b> (CityU)<br>"Approaching the Hole Mobility<br>Limit of GaSb Nanowires" [I]  | <b>Jenny Lee</b> (HKU)<br>"Exploring Novel Nuclear Structure<br>using In-beam gamma<br>Spectroscopy" [I]   |
| <b>11:10 –<br/>11:35</b> | <b>Liming Bian</b> (CUHK)<br>"Functional biomaterials for<br>regenerative medicine" [I]   | <b>Stanislav Markov</b> (HKU)<br>"Device Modelling from Atoms<br>to Transistor" [I]   | <b>Hai-Feng Li</b> (UM, Macau)<br>"Neutron and synchrotron X-ray<br>scattering studies of iron-based<br>superconductors" [I]   |
| <b>11:35 –<br/>12:00</b> | <b>Min Yan et al.</b> (HKUST)<br>"Modeling visual-auditory sensory illusion"<br>[S]   | <b>Chengxian Zhang, Wang Xin</b> (CityU)<br>"Benchmarking of dynamically corrected<br>gates for the exchange-only spin qubit in<br>the 1/f noise environment" [S] | <b>Dario Machado Garcia and S. K. Ho</b><br>(UM, Macau)<br>"Ultra-high Sensitive Analysis for Trace<br>Elements in Potato by Laser-induced<br>Breakdown Spectroscopy" [S]              |
|                          | <b>Ho Ka Chan* and Thomas Nowotny</b><br>(Univ. Sussex, UK)<br>"Discriminating between correlated and<br>uncorrelated signals with a small inhibitory<br>neural circuit" [S]  | <b>Feichi Zhou et al.</b> (PolyU and CityU)<br>"Perovskite Photovoltaic Chromic<br>Supercapacitor with All-Transparent<br>Electrodes" [S]                         | <b>K. Y. Henry Tsang* and K. Y. Michael<br/>Wong</b> (HKUST)<br>"Stable Bandwidth Allocation Against<br>Fluctuation in Complex Networks" [C]   |
| <b>12:00 –<br/>12:25</b> | <b>Yin Wang<sup>1</sup>, Xiaozhou He<sup>2</sup> and Penger<br/>Tong<sup>1*</sup></b> ( <sup>1</sup> HKUST & <sup>2</sup> HIT, Shenzhen)<br>"Boundary layer fluctuations and their<br>effects on mean and variance temperature<br>profiles in turbulent Rayleigh-B énard<br>convection" [S] | <b>Xu-Chen Yang, Xin Wang</b> (CityU)<br>"Noise filtering of composite pulses for<br>singlet-triplet qubits" [C]  | <b>Tatshing Choi, K.Y. Michael Wong</b><br>(HKUST)<br>"Traffic Congestions on the Taiwan Freeway<br>System" [Late submission] [S]  |

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|----------------------|--|---|--|
|                      | <b>Hiu Ching Tam and Emily SC Ching</b><br>(CUHK)<br><i>"Reconstructing Directed Networks from Noisy Dynamics" [S]</i>   | <b>F. Sun et al. (HKUST)</b><br><i>"Correlated Anomalous Phase Diffusion of Coupled Phononic Modes in a Sideband Driven Resonator" [C-S?]</i> | <b>Chen Jinglie &amp; Mao Hai Xie (HKU)</b><br><i>"Growth, stabilization and conversion of semi-metallic and semiconducting phases of MoTe2 monolayer by molecular-beam epitaxy" [S]</i> |
| <b>12:30 – 14:00</b> | <b>Lunch Break</b>   |   |  |
| <b>14:00 – 15:00</b> | <b>AGM (Chair: Prof. Ruiqin Zhang)</b><br>Venue: MWT2  |   |  |
| <b>15:00 – 15:30</b> | <b>Student Poster Sparkler Session</b><br>(Chair: Prof. Quentin Parker)<br>Venue: MWT2   |   |  |
| <b>15:30 – 16:10</b> | <b>Tea Break &amp; Poster Defence</b><br>(Chair: Prof. Junyi Zhu) Venue: Chong Yuet Ming Amenities Centre Foyer  |   |  |
|                      | <b>Plenary Session 2 (Chair: Prof. Jianhua Hao)</b><br>Venue: MWT2   |   |  |
| <b>16:10 – 16:50</b> | <b>Professor Kam-Biu Luk (UC Berkeley)</b><br><i>"Progress and Prospects of Neutrino Oscillation" [P]</i>  |   |  |
| <b>16:50 – 17:30</b> | <b>Professor Michel A. Van Hove (HKBU)</b><br><i>"Mechanisms of Molecular Machines" [P]</i>  |   |  |
| <b>17:30 – 17:45</b> | <b>Award Presentation for best student talks, posters and poster sparklers</b><br>(Presenters: Prof. Ruiqin Zhang, etc)<br><br><b>Closing Remarks (PSHK president: Prof. Ruiqin Zhang)</b> |   |  |

## PSHK Posters

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| Name                          | Category    | Email                          | Title   |
|-------------------------------|-------------|--------------------------------|---|
| Dr. Bojicic, Ivan             | Non-student | ibojicic@hku.hk                | HASH PN Database  |
| Dr. Fang, Xuan                | Non-student | fangx@hku.hk                   | Chemical Abundances of Planetary Nebulae in the Substructures of M31  |
| Dr. Li, Qiang                 | Non-student | hkustliqiang@ust.hk            | Fluence and polarization dependent femtosecond transient absorption spectrum of gold nanorods solution                                  |
| Dr. Saz Parkinson, Pablo      | Non-student | pablosp@hku.hk                 | Search for the next very-high-energy gamma-ray pulsar   |
| Dr. Zhang, Yong               | Non-student | zhangy96@hku.hk                | On the Kappa-distributed electron energies in planetary nebulae   |
| Dr. ZHOU, Changjian           | Non-student | zhoucj86@gmail.com             | Asymmetrical contacts with two-dimensional transition metal dichalcogenides for novel functional optoelectronic devices                 |
| Prof. Parker, Quentin         | Non-student | quentinp@hku.hk                | The newly established multi-disciplinary Laboratory for Space Research (LSR) at HKU   |
| Miss. Ding, Shanshan          | Student     | dsskaixuan@gmail.com           | Superfluid mixture of a Bose-Einstein condensate and a crossover superfluid   |
| Miss. Hu, Yajian              | Student     | bellahu94@gmail.com            | Electrical Resistivity of Yb3Os4Ge13 under Pressure   |
| Miss. Shen, Junying           | Student     | jshenac@connect.ust.hk         | Dramatic Increase of the Onset Critical Temperature and Critical Field of Elemental Sn in the Form of Thin Nanowires                    |
| Mr. Bei Deng                  | Non-student | dengb@163.com                  | Realization of Stable Ferromagnetic Order in Topological Insulator: Codoping Enhanced Magnetism in 4f Transition Metal Doped Bi2Se3     |
| Mr. Chan, Johnson Chung Shun  | Student     | john.son_chan@yahoo.com.hk     | Bose-Hubbard Model on Penrose Tiling Lattice  |
| Mr. Chan, Ming Yan            | Student     | brianchanmy@gmail.com          | Geometric redshift confirmation of the second most distant candidate galaxy   |
| Mr. CHEN, CHANG JIU           | Student     | cjchen5-c@my.cityu.edu.hk      | The logarithmic relaxation process and freezing of liquids in the nano-confined states  |
| Mr. Chen, Jinglei             | Student     | jl.chen.ray@gmail.com          | Growth, stabilization and conversion of semi-metallic and semiconducting phases of MoTe2 monolayer by molecular-beam epitaxy            |
| Mr. Gallardo, Gabriel         | Non-student | gabrielg@connect.hku.hk        | Measuring electron charge misidentification rate for SUSY analysis at ATLAS using the likelihood method with Zee events                 |
| Mr. Ho, Carr Hoi Yi           | Student     | hohoiycarr@life.hkbu.edu.hk    | Understanding the Effect of Solvent Additive on Balanced Carriers Transport in Polymer:fullerene Bulk Heterojunction Photovoltaic Cells |
| Mr. Hsia, Chih-Hao            | Non-student | xiazh@hku.hk                   | Coaxial Rings and H2 Knots in Hubble 12   |
| Mr. Lee, Angus                | Student     | pac82_gilov@icloud.com         | Searching for young pulsars in gamma-ray sources from the Fermi LAT 4-Year Point Source Catalog (3FGL)                                  |
| Mr. Li, Ning                  | Student     | 15484165@life.hkbu.edu.hk      | Performance enhancement of perovskite photodiodes with periodic nano-structured hole-transporting layer                                 |
| Mr. Li, Rui                   | Student     | event9479@outlook.com          | Automatic Classification of Active Galactic Nuclei Observed by the Fermi Satellite Telescope  |
| Mr. Liu, Guangcun             | Student     | guangcun@hku.hk                | Studies of a Single Component Fermi Gas Near a P-Wave Resonance with LOCV Method  |
| Mr. Magaña Hernandez, Ignacio | Student     | ignacio.magana@me.com          | Feedforward Seismic Noise Cancellation at the Caltech 40m Prototype Interferometer  |
| Mr. Tang, Wai Ho              | Student     | sylartang@gmail.com            | Josephson Effect in Trapped Spin-orbit Coupled Bose-Einstein Condensation   |
| Mr. Tsoi, Chi Chung           | Student     | terry.cc.tsoi@connect.polyu.hk | Photocatalytic ozonation used for sea-water/ wastewater treatment   |
| Mr. Wong, Kai Kin             | Student     | kaikwong8-c@my.cityu.edu.hk    | Influence of packing density, viscosity and glass-forming ability on dynamic heterogeneity in metallic melts                            |
| Mr. Wu, Xiaoxiao              | Student     | xwuan@connect.ust.hk           | Anisotropic Metasurface with Near-Unity Circular Polarization Conversion  |
| Ms. Chen, Cuncheng            | Student     | chenmandy2012@gmail.com        | Direct measurement of the mass of a supermassive black hole at z=0.55   |
| Ms. Hu, Xiaoqing              | Student     | mega711@163.com                | Engineering of Perovskite Film with Anti-solvent Drop-casting   |
| Ms. TIAN, Jingxuan            | Student     | jtianac@ust.hk                 | A valve-free 2D gradient concentration generator in microfluidic chip   |



## Registered Participants

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| Name                         | Affiliation | Email                       |
|------------------------------|-------------|-----------------------------|
| Dr. Bian, Juncao             | CityU       | bianjuncao@163.com          |
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| Dr. Ling, Francis Chi-Chung  | HKU         | fccling@gmail.com           |
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| Dr. Saz Parkinson, Pablo     | HKU         | pablosp@hku.hk              |
| Dr. Tam, P. H. Thomas        | Others      | grbtom@gmail.com            |
| Dr. Wang, Feng               | CityU       | fwang24@cityu.edu.hk        |
| Dr. Wang, Qianen             | HKU         | q.e.wang@gmail.com          |
| Dr. WANG, Xin                | CityU       | x.wang@cityu.edu.hk         |
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| Dr. Zhi, Chunyi              | CityU       | cy.zhi@cityu.edu.hk         |
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# Conference Information

## Oral Presentation

- Plenary Presentation: 40 min. (including 5 min. for discussion)
- Invited Presentation: 25 min. (including 5 min. for discussion)
- Contributing Presentation: 12.5 min. (including 2.5 min. for discussion)
- The standard audio-visual facility will be provided:
  - Projector with VGA adaptor, screen, laser pointer, and microphone (speakers should bring their own display adapter for laptops without VGA port.)
  - MS Office 2010, Windows PC, and USB plug

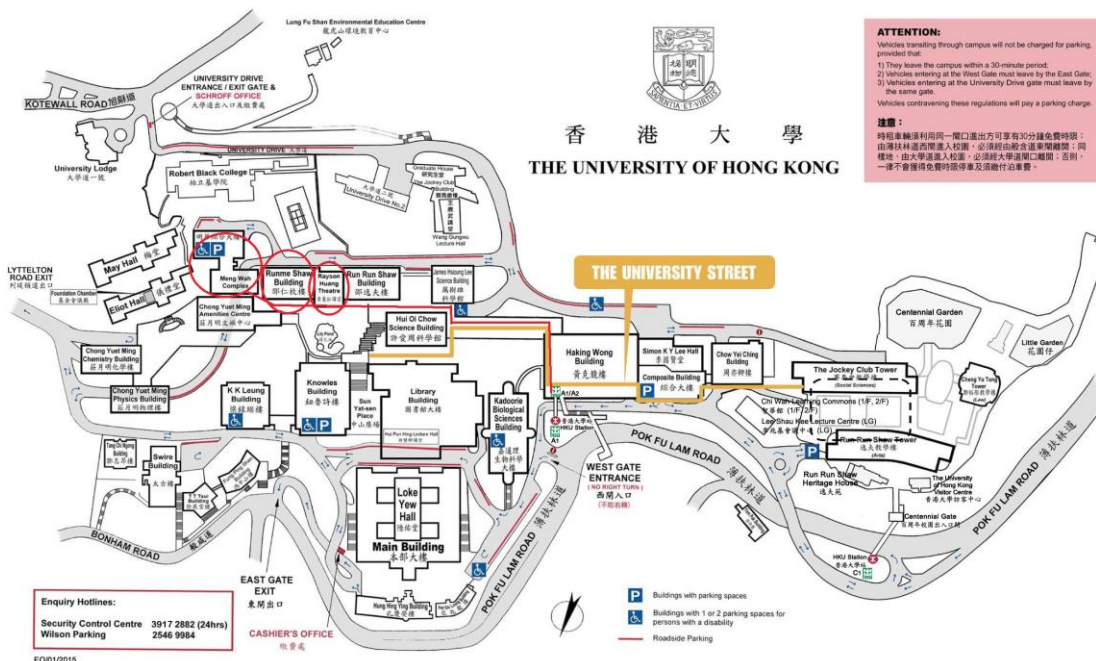
**Poster Area and poster defence session:** The poster area is in the adjacent “Chong Yuet Ming Amenities Centre Foyer” on the same level at the main lecture theatre MWT2. The poster codes will be marked on the poster boards.

- Dimension of the poster: 841 mm × 1189 mm (W × H, A0 size)
- The poster board will be fully white and poster fixing-materials will be provided.
- The poster should be ready for presentation by 13:00 of the 1<sup>st</sup> day.

**Tea and Refreshment:** Complementary tea, coffee, and snacks will be provided outside *MWT2* and across to the foyer to the Chong Yuet Ming Amenities Centre where all the posters will be displayed.

**Lunch Break:** A hot Buffet lunch will be served for all registered participants in ‘Graduate House’.

**Getting to campus:** The easiest way is to take the Island line **MTR** to **HKU Station**. Take A1/A2 Exit, then take lift up to HKU campus (Haking Wong Building). Turn left, walk along University Street. You’ll pass a number of key buildings (e.g. Run Run Shaw Bldg, Rayson Huang Theatre). You also pass the HKU branch of HSBC on your right. Take the escalators in the Chong Yuet Ming (CYM) Amenities Centre to the top (5<sup>th</sup> floor), then turn right.



**Map of HKU campus. MTR stop is close to the West Gate Entrance. Take Exit A1/A2. A great number of buses also stop at HKU. See: <http://kafuwong.econ.hku.hk/busroute.htm>**