

Workshop on the Frontiers of Plasmonics and Related Nanophotonics

May 20 – 23, 2011, Hong Kong

Institute of Theoretical Physics, Centre of Optical Sciences, and Department of Physics,
The Chinese University of Hong Kong

Program

Venue: Lecture Theatre L4, Science Centre, The Chinese University of Hong Kong

Date Time	May 21 (Saturday)	May 22 (Sunday)	May 23 (Monday)
08:00 – 09:00	Registration		
09:00 – 09:40	Kevin MacDonald	Mark I. Stockman	Shangjr Gwo
09:40 – 10:20	Che Ting Chan	Hong-Xing Xu	Bao-Jun Li
10:20 – 10:50	Tea/Coffee		
10:50 – 11:30	Zee Hwan Kim	Jing-Hua Teng	Jun-Xiang Zhang
11:30 – 12:10	Zhi-Yuan Li	Hong-Qiang Li	Huan-Jun Chen
12:30 – 14:30	Lunch		
14:30 – 15:10	Francisco J. Garcia-Vidal	James Schuck	
15:10 – 15:50	Q-Han Park	Qu-Quan Wang	
15:50 – 16:20	Tea/Coffee		
16:20 – 17:00	Kwang Geol Lee	Junichiro Kono	
17:00 – 17:40	Hai-Feng Wang	Cheng-Hsuan Chen	

May 21 (Saturday)

08:00 – 09:00 **Registration**

Session Chair: Hai-Qing Lin

09:00 – 09:40 **Kevin MacDonald:** Developments in Nonlinear Photonic Metamaterials

09:40 – 10:20 **Che Ting Chan:** Using Light to Attract

10:20 – 10:50 *Tea/Coffee*

10:50 – 11:30 **Zee Hwan Kim:** Spectroscopic and Near-Field Imaging Studies on the Plasmons of Nanoparticles

11:30 – 12:10 **Zhi-Yuan Li:** New Regimes of Surface Plasmon Resonance Control

12:30 – 14:30 *Lunch*

Session Chair: Kai Chang

14:30 – 15:10 **Francisco J. Garcia-Vidal:** Light-Matter Coupling Mediated by Surface Plasmons

15:10 – 15:50 **Q-Han Park:** Plasmonic Slot Antenna as a Bound Charge Oscillator

15:50 – 16:20 *Tea/Coffee*

16:20 – 17:00 **Kwang Geol Lee:** Controlling of the Fluorescence from Single Emitters Using Optical Antennas: Towards Super Quantum Emitters

17:00 – 17:40 **Hai-Feng Wang:** Optical Antennas and Fano Resonance

May 22 (Sunday)

Session Chair: Hong Chen

09:00 – 09:40 **Mark I. Stockman:** Nanoplasmonics: Citius, Minimus, Fortius! (Faster, Smaller, Stronger!)

09:40 – 10:20 **Hong-Xing Xu:** Plasmonic Bus and Logic Gates in Silver Nanowire Networks for On-Chip Integrated Optical Computing

10:20 – 10:50 *Tea/Coffee*

10:50 – 11:30 **Jing-Hua Teng:** Smooth Ag Film for Enhanced Surface Plasmon Resonance and Super-Resolution Imaging

11:30 – 12:10 **Hong-Qiang Li:** Metallic Helix Array for Negative Refraction and Polarization Manipulation

12:30 – 14:30 *Lunch*

Session Chair: Jian-Fang Wang

- 14:30 – 15:10 **James Schuck:** Life Beyond Diffraction: Nano Imaging Spectroscopy with Optical Antennae
- 15:10 – 15:50 **Qu-Quan Wang:** Plasmonic Fano Resonances in Metal Nanorod Dimers and Nanorod–Nanoparticle Hybrids
- 15:50 – 16:20 *Tea/Coffee*
- 16:20 – 17:00 **Junichiro Kono:** Coherent Terahertz Spectroscopy of Electron Plasmas in Solids
- 17:00 – 17:40 **Cheng-Hsuan Chen:** Plasmonics in Nanomaterials

May 23 (Monday)

Session Chair: Xing-Hui Zhang

- 09:00 – 09:40 **Shangjr Gwo:** Bottom-up Assembled 1D, 2D, and 3D Plasmonic Metamaterials at Visible Wavelengths
- 09:40 – 10:20 **Bao-Jun Li:** Optical nanofiber-based nanodevices and applications
- 10:20 – 10:50 *Tea/Coffee*
- 10:50 – 11:30 **Jun-Xiang Zhang:** The Nonlinear Process in Atomic Coherent System
- 11:30 – 12:10 **Huan-Jun Chen:** Plasmonic–Molecular Resonance Coupling on Gold Nanorods