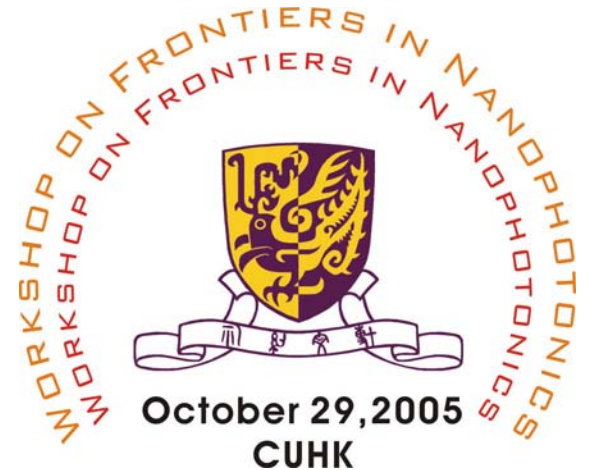


Advance Program

Workshop on Frontiers in Nanophotonics 納米光子學前沿研討會

Saturday 29th October 2005

T.Y.Wong Lecture Theatre,
Ho Sin Hang Engineering Building,
The Chinese University of Hong Kong



Sponsored by:

Center of Advanced Research in Photonics, The Chinese University of Hong Kong

Research Grants Council of Hong Kong

K.C.Wong Foundation

IEEE Electron Device Society (Hong Kong Chapter)

IEEE Lasers and Electro-optics Society (Hong Kong Chapter)



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Introduction

The one day workshop will provide postgraduate students and researchers in Hong Kong an opportunity to explore topical issues in nanophotonics. Invited speakers will present their research in silicon-based photonics, passive and active optical devices with nanometer dimensions, nonlinear optical phenomena and applications in nanometer dimension, nanophotonic imaging, nanoplasmonics, optical spectroscopy of nanostructures or nanophotonics for biomedical applications. Keynote talks by Professor Graham Reed (University of Surrey) and Prof El-Hang Lee (Inha University) will be followed by a number of shorter talks by prominent researchers from mainland China, Taiwan, and Hong Kong. A poster session is planned to allow local postgraduate students ample opportunity to interact directly with the invited speakers..

The workshop objectives include:

1. Exchange of information on the latest developments in nanophotonics
2. Fostering of research collaborations
3. Stimulating research activities of postgraduate students and expose them to latest ideas in nanophotonics.

Program Schedule

Speaker (and title of talk where available)	Time
Opening Remarks and Welcome by Professor Chinlon Lin	8.55-9.00
Keynote Talk 1: Professor Graham Reed (University of Surrey): Recent Trends in Silicon Photonics	9.00-10.00
Keynote Talk 2: Professor El-Hang Lee (Inha University): Micro/Nano-Scale Optical Printed Circuit Board and VLSI Photonic Integrated Circuits	10.00-11.00
Tea-break	11:00-11:15
Prof H.K.Tsang (Chinese University of Hong Kong) : Nonlinearities in silicon wire waveguides	11:15-11:45
Prof Yu Jin Zhong (Institute of Semiconductors Beijing) : SOI-based Optical Waveguide and Integrated Optical Switch Matrix	11:45-12:15
Prof. Sailing He, (Zhejiang University) Some Recent Studies of nanostructured photonic materials, waveguides and devices	12:15-12:45
Lunch	12:45-14:15
Prof R. Zhang (Nanjing University) Substrate issues of nitride LEDs	14:15-14.45
Prof. J.Y.Chang (National Central Univ Taiwan): Development of Nano/Micro Optics in National Central University	14:45-15:15
Posters(by postgraduates students) & Teabreak	15:15-16:00
Prof Andrew Poon (Hong Kong Univ of Sci & Tech) Silicon-based polygonal and circular microresonator devices	16:00-16.30
Prof D.P.Tsai (National Taiwan University): Plasmonic Nanophotonics For Ultrahigh Density Nano-Storage	16.30-17.00