

Organizer



納米及先進材料研發院有限公司  
Nano and Advanced Materials Institute Limited

Co-Organizer



香港浸會大學  
HONG KONG BAPTIST UNIVERSITY

# Solar Energy Winter School

A Full-Day Program

11 Lectures from Leading Scholars  
presenting their R&D Achievements

January 23, 2010 (Saturday)

Hong Kong Baptist University



**FREE ADMISSION!**

## Topics Covered:

- Renewable Energy Education
- Overview of PV Technology
- Building Integrated PV
- Thin-Film Solar Cells
- Organic Photovoltaics
- Solar Cell Materials

## Free Registration

Please return the completed registration form to NAMI by email to [sarinalau@nami.org.hk](mailto:sarinalau@nami.org.hk) or by fax to 2358 8113. The program is most suitable to university students or industry professionals in this field.

## Enquiries

Please visit [www.nami.org.hk](http://www.nami.org.hk) or <http://physics.hkbu.edu.hk> or contact Ms. Sarina Lau at 2358 5862.

Supporting Organizations



# Solar Energy Winter School

**Date :** Saturday 23 January 2010  
**Venue :** Lecture Theatre 1, Science Tower, Hong Kong Baptist University, Ho Sin-Hang Campus, Kowloon Tong  
**Time :** 8:45 am (registration) for 9:15 am to 5:15 pm

## **Program Highlights**

**Photovoltaic** industry develops rapidly, even surpassing most expectations and is now recognized as an essential ingredient for the transition to a sustainable energy future. Such development cannot be achieved without advanced research and development done in the institutes worldwide. Hong Kong academia has been contributing significantly to the realm of solar technology, particularly in terms of material development and device fabrication.

Joining the hands of 6 local leading institutes in Hong Kong photovoltaic research, **Solar Energy Winter School 2010** is organized to expedite the sharing of knowledge among experts in the region. The day is organized mainly for postgraduate students and professionals, in particular for those connected to solar energy research and device development. A total of eleven renowned professors will present their research findings on various important topics of recent development in PV technology. Each expert will introduce and discuss in depth their research topics.

Murdoch University, Australia  
The University of Hong Kong  
Chinese University of Hong Kong  
City University of Hong Kong  
Hong Kong Polytechnic University  
Hong Kong Baptist University

*Prof. P Jennings*  
*Dr. A B Djurišić*  
*Prof. X D Xiao*  
*Prof. C S Lee*  
*Prof. H X Yang*  
*Prof. F R Zhu*  
*Prof. R Wong*  
*Dr. Z F Huang*  
*Prof. M S Wong*  
*Dr. P W Lee*  
*Prof. D S Wu*

Nano and Advanced Materials Institute , Hong Kong

## **Organizing Committee**

<i>Dr. Eric Liu (Chairman)</i>	Nano and Advanced Materials Institute Ltd.
<i>Professor K W Cheah (Co-Chairman)</i>	Hong Kong Baptist University
<i>Professor F R Zhu</i>	Hong Kong Baptist University
<i>Ms. Iris Cheng</i>	Nano and Advanced Materials Institute Ltd.
<i>Ms. Maggie Lam</i>	Hong Kong Baptist University

## **Technical Committee**

Professor K W Cheah (Chairman)	Hong Kong Baptist University
Professor W Y Tam	The Hong Kong University of Science & Technology
Professor F R Zhu	Hong Kong Baptist University



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Time	Program
9:15 am	Welcoming Speech <b>Professor Kok Wai Cheah</b> <i>Head, Department of Physics, Associate Director, Centre for Advanced Luminescence Materials, Hong Kong Baptist University</i> Opening Speech <b>Professor Ka Ming Ng</b> <i>Chief Executive Officer, Nano and Advanced Materials Institute</i>
9:25 am Lecture 1	Renewable Energy Education <b>Professor Philips Jennings</b> <i>Murdoch University, Australia</i>
10:00 am Lecture 2	Overview of Photovoltaic Industry and Technology <b>Dr. Peter Lee</b> <i>Nano and Advanced Materials Institute</i>
10:25 am	<b>Refreshment</b>
10:40 am Lecture 3	Cu(InGa)Se <sub>2</sub> Thin Film Solar Cell <b>Professor XuDong Xiao</b> <i>The Chinese University of Hong Kong</i>
11:05 am Lecture 4	Interface Science and Engineering of Organic Photovoltaic Devices <b>Professor Chun Sing Lee</b> <i>City University of Hong Kong</i>
11:30 am Lecture 5	Application of Hot Wire CVD for Solar Cell Fabrication <b>Professor Dong Sing Wu</b> <i>Nano and Advanced Materials Institute</i>
11:55 am	<b>Lunch Break</b>
2:00 pm Lecture 6	Organic Solar Cells <b>Professor FuRong Zhu</b> <i>Hong Kong Baptist University</i>
2:25 pm Lecture 7	Harvesting Solar Energy Using Conjugated Polymers <b>Professor Raymond W Y Wong</b> <i>Hong Kong Baptist University</i>
2:50 pm Lecture 8	Nano-engineering to Improve Photovoltaic: Bulk Heterojunction Solar Cells <b>Dr. Jeffrey Z F Huang</b> <i>Hong Kong Baptist University</i>
3:15 pm	<b>Refreshment</b>
3:40 pm Lecture 9	Small Molecule Semi-conducting Photo-Sensitizers for Organic Solar Cells <b>Professor Ricky M S Wong</b> <i>Hong Kong Baptist University</i>
4:05 pm Lecture 10	Polymer and Nanostructured Photovoltaics <b>Dr. Aleksandra B Djurišić</b> <i>The University of Hong Kong</i>
4:30 pm Lecture 11	New Development of Building-Integrated Photovoltaic Technology for Power Generation <b>Professor HongXing Yang</b> <i>Hong Kong Polytechnic University</i>
4:55 pm	Closing Remarks <b>Professor Kok Wai Cheah</b>
5:05 pm	<b>End of Day</b>

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## REGISTRATION FORM

To be replied on or before Monday 18 January 2010

To : Ms. Sarina Lau

Email: [sarinalau@nami.org.hk](mailto:sarinalau@nami.org.hk)

Fax : 2358 8113

Title	Name (in full)	Name of Institute/ Company	Tel.	E-mail	Degree Holder?
1.					Yes / No
2.					Yes / No
3.					Yes / No
4.					Yes / No
5.					Yes / No

\*Due to the confidential information in presentations, no proceedings will be distributed.

\*\* Program is most suitable to university students and industry professionals in this field.

### Enquiries:

For on-site directions, please contact Ms. Maggie Lam at 3411 7645 or [s164367@hkbu.edu.hk](mailto:s164367@hkbu.edu.hk)

For other enquiries, please contact Ms. Sarina Lau at 2358 5862 or [sarinalau@nami.org.hk](mailto:sarinalau@nami.org.hk)

