

68th IUVSTA WORKSHOP

"Multifunctional Surface Engineering for Advanced Energy Applications"
December 9-13, 2012. City University of Hong Kong

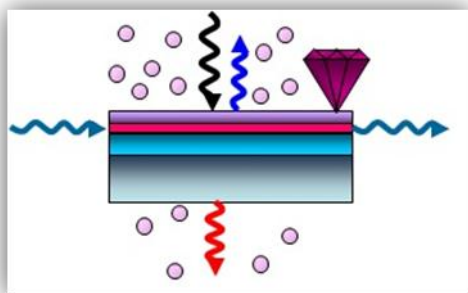


<http://www.cityu.edu.hk/cosdaf/MSEAEA2012/Index.html>

Welcome to MSEAEA Workshop

Advances in the surface engineering approaches allow one to control the multifunctional characteristics of thin film systems applied to energy applications. The workshop will focus on those general approaches and strategies to achieve multiple tasks of surfaces and interfaces of thin film devices; particularly, the scientific discussions will aim at identifying appropriate solutions to enhance the device performance by controlling the microstructural and compositional characteristics of the inorganic and organic materials involved, and by optimizing their physical and chemical properties and their response to the specific working environment.

The discussions will include the following topics:



- Development of new synthesis and surface engineering methods based on a better understanding of the relationship between the microstructure, materials interfaces, and the device performance
- In-situ control of properties, computer modeling and active feedback to achieve a desired set of functions,
- Use of nanotechnology approaches that provide unique advantages such as enhanced surface-to-volume ratio, electronic, photonic, and plasmonic confinement.

Topics to be covered:

1. Systems for Energy Generation and Storage
2. Processes and Surface Reactions
3. Optical Film Systems
4. Light Emission and Management
5. Advanced and Nanostructured Materials
6. Mechanical and Tribological Systems

Important dates:

Abstract submission deadline: 22 Oct, 2012
Early registration deadline: 5 Nov, 2012
Workshop: 9-13 Dec, 2012

Local members

Prof. Wenjun Zhang (City U), Co-Chair
Dr. Juan Antonio Zapien (City U), Chair
Prof. Igor Bello (City U)
Prof. Ning Wang (HKUST)
Prof. Helen Chen (HKPU)
Prof. K. W. Cheah (HKBU)
Dr. Aleksandra Djurišić (HKU)

International Members

Prof. Ludvik Martinu (Canada)
Prof. Cheng Chung Lee (Taiwan)
Prof. Francois Flory (France)
Prof. Claes Granqvist, (Sweden)
Prof. Dechun Ba (China)
Dr. Phillip J. Martin (Australia)

Organizing Committees

IUVSTA sponsoring divisions:

IUVSTA Chair, Surface Engineering Division (SED), Prof. Ivan Petrov
IUVSTA Co-Chair, Thin Film Division (FTD), Prof. Alberto Tagliaferro

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Aims of the workshop:

The workshop will focus on the general approaches and strategies to achieve multiple tasks of surfaces and interfaces of thin film- and nano- structured devices.

The scientific discussions will aim at identifying solutions to enhance the device performance by controlling the microstructural and compositional characteristics including:

- Inorganic and organic materials and their surfaces and interfaces
- Combination of physical and chemical properties
- Response to the specific working environment

Call for abstracts

Abstract should be maximum 1 page and include: title, names of all authors with their affiliations, oral/poster preference, and topic. Please underline the name of the presenter and include his/her contact details. Abstract template can be downloaded at:

<http://www.cityu.edu.hk/cosdaf/MSEAEA2012/Registration.html>

Format

The workshop will consist of invited and contributed oral presentations. *The official language of the meeting is English.*

Accommodation

Special discount prices of two high-quality hotels are offered to our workshop participants. Reservation Forms can be downloaded from the workshop homepage:

<http://www.cityu.edu.hk/cosdaf/MSEAEA2012/Hotel.html>

About the Venue, a short history of Hong Kong

The bustling city of Hong Kong was just a collection of fishing villages when claimed by Britain in 1842 following the First Opium War with China. This failed attempt by the Ching Dynasty to stop the British trading in opium led to Hong Kong being ceded to Britain under the Treaty of Nanking that year. The Kowloon Peninsula was handed over in 1860 and a 99-year lease on the New Territories, comprising the area north of Kowloon up to the Shenzhen River plus 235 outlying islands, was granted in 1898.

Hong Kong's magnificent harbour has been the key to its development as a trading port and entrepôt for China, progressing through an industrial era to become a leading financial and services centre in Asia. The unique blend of eastern and western influences, matched by diverse attractions and stunning countryside, has also made Hong Kong Asia's prime tourist destination.

(<http://discoverhongkong.com>)



Photo courtesy of Hong Kong Tourism Board

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Registration Form

To register, please complete the form below and return it together with the registration fee to Workshop Secretariat before 20 November 2012. NOTE: Early registration deadline: **05 November 2012**

Name: _____ Affiliation: _____

Address: _____

Zip Code: _____ Country: _____

Tel.: _____ Fax: _____ Email: _____

Registration Fee*

Please tick appropriate box(es) below:

On or before 05 November 2012

Regular: USD400 (HKD3,110) Student: USD200 (HKD1,555)

After 05 November 2012

Regular: USD450 (HKD3,500) Student: USD250 (HKD1,945)

* The regular fee will include refreshments, lunches, a dinner banquet and a copy of abstract book.
The student fee will include refreshments, lunches and a copy of abstract book.

Method of Payment

We accept payments in both HK and US dollars by bank draft or money order, but payments by MasterCard / VISA will be charged in HK Dollars only. All payments are non-refundable.

For payment in bank draft or money order, please make it payable to "City University of Hong Kong" and mail together with the registration form to Workshop Secretariat at following address:

Center Of Super-Diamond and Advanced Films, & Department of Physics and Materials Science, City University of Hong Kong, Kowloon Tong, Hong Kong

Payment in MasterCard/VISA,

Please fill out the followings and return it by mail or fax to: +(852) 3442-0541.

Please charge to my Master Card VISA Card No.: _____

Expiry Date: _____ Cardholder Name: _____

Total Payment: HKD _____ Signature: _____

Contact and Requests

Centre of Super-Diamond and Advanced Films (COSDAF)

Department of Physics and Materials Science, City University of Hong Kong

Tel: +(852) 3442 4204

Fax: +(852) 3442 0541

Email: MSEAEA2012@cityu.edu.hk