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



Funding Organization:



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MaSTEC 2013

Materials Science and Technology in Engineering Conference

MaSTEC 2013

Role of Materials in Innovation

9-10 May 2013

Eaton Hotel Hong Kong
380 Nathan Road, Kowloon, Hong Kong

Organiser



Materials Division
材料分部

MaSTEC 2013



Materials Science and Technology in Engineering Conference

Role of Materials in Innovation

Registration Form

English Name: (Ir/Prof/Dr/Mr/Mrs/Ms) _____
(will be the same to be printed in CPD Certificate)

Chinese Name: _____

Company: _____

Position: _____

Mailing Address: _____

Phone: _____

Fax: _____

Mobile: _____

Email: _____

(please provide email address for receiving confirmation)

HKIE Member Membership No.: _____

Non Member

Enrolment Fee for Conference

Day 1 (9 May 2013, 9:00 to 17:00)

Day 2 (10 May 2013, 9:00 to 17:00)

Please tick one box

HK\$1,000 (1 Day)

HK\$1,600 (2 Days)

- Enrolment fee includes Conference Materials, Tea Breaks, Lunch on the day(s), and Conference Dinner on 10 May 2013 for 2-day registration
- CPD certificate will be provided after the conference

Registration & Enquiries

For registration, please send completed registration form to the following address with cheque payable to "HKIE-MT-PSDAS-11203"

Mastec 2013 Conference Secretariat
PO Box # 79010

Mongkok Post Office, Kowloon

Enquiries: Ms Lai, Conference Secretary

(Tel) 2789 2389 / (Fax) 2789 2390 / (Email) mastec2013@gmail.com

Programme &
Registration Form

Background

Materials play a pivotal role in making innovations in product designs, services and infrastructure developments which improve human living standards. New materials and advanced materials processing techniques applied in industrial applications will lead to new and better products and enhance productivity and product quality.

Theme

The theme of MaSTEC 2013 is Role of Materials in Innovation and topics for discussions include a) Innovations in building and construction materials, b) Metals, glass, advanced ceramic materials and failure analysis, c) Nanomaterials and their innovative applications and d) Rare earth and other high-tech materials and applications.

Who should attend?

Engineers and professionals from Government, public authorities, consultants, contractors and materials suppliers.

Academics, scientists and graduates from universities, and public and private research institutions.

Conference Programme

Day 1 (9 May 2013)

Innovations in Building and Construction Materials & Nanomaterials and their Innovative Applications

Welcome Speech

Ir Prof Christopher LEUNG

Chairman of Materials Division, The Hong Kong Institution of Engineers

Opening Speech

Ir Prof KK CHOY

President, The Hong Kong Institution of Engineers

Keynote Speech

Aspiration, Approach and Application of Code of Practice for Structural Use of Concrete 2013

Ir Prof Paul PANG

Assistant Director, Buildings Department, HKSAR

Reuse of Recycled Glass Cullet in Construction Materials

Ir Prof CS POON

Department of Civil and Structural Engineering, Hong Kong Polytechnic University

Development and Innovation on Green Construction Materials and Systems

Ir Raymond WAN

Optimix (Hong Kong) Limited

Microsilica...The Versatile Concrete Ingredient

Mr Gerry BROWN

Elkem Silicon Materials, UK

Innovative Cathodic Protection System for Tunnels and Concrete Structures

Mr Miki FUNAHASHI

Ove Arup and Partners Hong Kong

Advanced Engineering Materials

Prof Zongjin LI

Department of Civil Engineering, The Hong Kong University of Science and Technology

Synthesis of Large-area Graphene for Nanoelectronics

Dr Tom Zhengtang LUO

Department of Chemical & Biomolecular Engineering, The Hong Kong University of Science and Technology

Multifunctional Environmental Paint

Dr Jifan LI

Nano and Advanced Materials Institute Ltd

Nano Crystal Treatment Technology on Wood

Mr Chicheung YING^a and Ir Puishing KWAN^b

^a Yip's Chemical Holdings Limited

^b Tru-Seal International (HK) Limited

A New Era of Advanced Innovative Technology in Coating Industry

Mr Shinji NISHIDA

SK Kaken (Hong Kong) Co. Ltd

Conference Programme

Day 2 (10 May 2013)

Metals and their Failure Analysis, Glass, Advanced Ceramic, Rare Earth, and other High-tech Materials and Applications

Keynote Speech

"Green" Glass for Windows

Prof Hong WANG

*National Research Center for Glass Processing and State Key Laboratory of Green Building Materials
China Building Materials Academy, Beijing*

Failure Analysis of a Corroded Steel Roof

Junbo SHI^a, Weimin GUO^a, Yongde LI^a, Na XU^a, Xiaofeng WU^a, Qishan ZANG^b

^a Shandong Analysis and Test Center, Shandong Academy of Sciences, Jinan

^b Institute of Metal Research, Chinese Academy of Sciences, Shenyang

Self-assembly Gold Nanoislands for Localized Surface Plasmon Resonance Biosensing

Ir Prof Lawrence WU^{a,b} and Dr Yongde LI^b

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

^b Shandong Analysis and Test Center, Shandong Academy of Sciences, Jinan

Total Quality Assurance of Grade 500 Reinforcing Steel Bars in Hong Kong

Ir CK CHEUNG

Castco Testing Center Ltd

Tiling with Large Tiles - Aesthetics Meet Mechanical Skills

Dr Frank LI and Dr Thomas LAUBENDER

Wacker Chemicals Co Ltd

China Wastewater and Sludge Treatment Industry Current Situation and Developing Trend

Mr Tao WANG

China Academy of Machinery Science and Technology, Environmental Protection Department, China

Challenges and Choices for Waste Water Installations

Mr Neil PHILLIPS

PPG Performance Coatings Limited

Study on Rare Earth for Magnesium and Aluminum Alloys

Dr Sharon Weiwei SHAN

Ka Shui International Holding Ltd

Effect of Fine Aggregate Composition on Moisture Susceptibility of Hot Mix Asphalt

Ir Prof WG WONG^a, Prof Gordon LM LEUNG^b and Haifeng HAN^b

^a Department of Civil Engineering, Chu Hai College of Higher Education

^b Hong Kong Road Research Laboratory, Hong Kong Transport and Road Research Institute

Fibre-reinforced Plastic Strengthening - A Pilot Project in Hong Kong

Ir Dr Jinsong WANG^a, Ir Kevin TANG^b and Ir Gary LEE^a

^a Fyfe (Hong Kong) Ltd

^b Greg Wong and Associates Ltd

Closing Speech

Ir Dr WK FUNG

Chairman, MaSTEC 2013 Organizing Committee