



Nanotechnology & Advanced Materials Forum - Metal Processing & Surface Treatment

納米及先進材料技術論壇
- 金屬材料製作及表面處理技術

Strength & Ductility and Beyond *Recent Advances in Metal Processing & Surface Treatment*

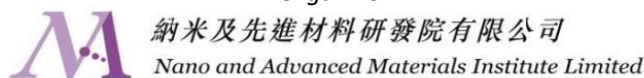
Date: 11 December 2009 (Friday)	Time: 1:45 – 5:00pm
Venue: Room 226-228, Hong Kong Convention & Exhibition Centre	
Format: Forum, Technology Showcase, Focus Group	
Language: Putonghua, Cantonese	
Admission: FREE (Seats are limited. Please register.)	

With the economy recovering, it is the most crucial time for companies to be prepared and be able to stand up to their competition. Competing in today's global economy, companies take much more than quality and reasonable price to survive. The key to success and survival is innovation and technology development, with the winners in the race to embrace new technology will always be on top.

Come and discover the recent advances in metal processing and surface treatment. How does a nanostructured metallic surface treatment turn steel from 304 grade to 316 grade? What is this network white cast iron alloy that exhibits strength similar to 52100 steel at a lower cost? What is the progress in anodizing and super-hydrophobic surface treatment?

This **forum** provides participants a platform where academics, business professionals, and end users from metal processing and surface treatment industry can exchange their views on the latest technology development and their applications.

Organizer:



Co-organizer:



Supporting Organization:



For enquiries, please contact Iris Cheng at 2358 5076 or email iris@nami.org.hk
or visit www.nami.org.hk



PROGRAM

2:00pm Welcome Remarks

Prof. Che-Ting CHAN

Technology Director, Nano and Advanced Materials Institute Ltd

2:15pm Opening Remarks

Dr. Edward TSUI

Chairman, Federation of Hong Kong Machinery and Metal Industries

2:30pm For a Clean and Slippy Surface: Hydrophobic or Hydrophilic?

表面潔淨潤滑，須知親疏有別

Dr. Chun ZHANG

Technical Manager, Nano and Advanced Materials Institute Ltd

3:00pm A Ductile White Cast Iron with a High Yield Strength of 2000MPa

具延展性及降伏強度達2000MPa的白鑄鐵

Prof. HW KUI

Professor, Department of Physics, The Chinese University of Hong Kong

3:30pm Traditional Technique & Novel Application -- Surface Treatment of Aluminum/Aluminum Alloy

舊瓶新酒 -- 鋁/鋁合金表面處理

Dr. Jianying MIAO

Technical Manager, Nano and Advanced Materials Institute Ltd

4:00pm Design, Processing and Applications of New Nanostructured Metallic Materials and Industrial Applications in Automotive, Textile, Bio-implants, Sport Goods and Aerospace

嶄新納米結構金屬材料的設計、製作及其於汽車、紡織、生物、體育用品和航空業之應用

Prof. Jian LU

Associate Dean of Faculty of Engineering, Head and Chair Professor of Department of Mechanical Engineering, Hong Kong Polytechnic University

4:30pm Q&A

4:40pm Technology Incubation & Showcase

最新科研技術展示、交流及探討發展方向

*Free Admission.
Sign Up Now!*



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Yes! I would like to sign up for the Nanotechnology and Advanced Materials Forum on Metal Processing & Surface Treatment on December 11, 2009 at the Hong Kong Convention & Exhibition Centre.

Name: Mr/Ms/Pls Specify _____ Email: _____

Company: _____ Position: _____

Tel/Mobile: _____ Fax: _____ Website: _____

Address: _____

Yes! Sign me up for the NAMI's Consortium complimentary membership. I will enjoy **free conferences and seminars, networking events with industry experts, and access to latest technology news and information**. Please send me information regarding:

Business Nature:

- Service Company Manufacturer Trading Company Trade/ Industrial Organization
Education Retailer Contractor Government/ Public Organization

Industry:

- Energy Electronics Building & Construction Others _____

Company's Major Products/Services: _____

Areas of Interests:

- Solid state lighting Sustainable energy Environmental technology Lifestyle and healthcare
Metals and metal finishing Advanced materials for consumer and industrial applications

I'm interested in the following topics at a future conference or forum:

I would like to:

- Network with industry players Seek partners for cooperation for a project
Brainstorm new product ideas Explore new business/investment opportunities
Obtain funding support Understand latest technology trend and market situation
Learn more about technical transfer process and technology commercialization

*Signature: _____ *Date: _____

Please fax this registration form to 2358-8113 or email iris@nami.org.hk. We look forward to seeing you.

NAMI's Consortium is open to all interested in nanotechnology and advanced materials.

The Consortium maintains a platform to facilitate **business networking, technology updates, incubation of new ideas and projects**, while **making technology available** to meet the evolving needs of industry. Throughout the year, the Consortium sends out newsletters, conducts regular industry-specific conferences, networking events for researchers, business leaders, industry experts and end-users. The ultimate aim is through this process of cross-fertilization of ideas, local companies will be able to enhance their competitiveness in the world market.