

4th Workshop on Manufacturing Technologies for a Sustainable Society

- Water Treatment Technologies in China -

8:40am - 4:30pm, Friday, September 16th 2011

Nanotech Meeting Room, Suzhou Nanotech Co. Ltd.

Floor 5, South Block of Building A1, 218 Xinghu Avenue, Suzhou Industrial Park (SIP)

Suzhou, China

Suzhou Nanotech and NanoGlobe announce the upcoming *4th Workshop on Manufacturing Technologies for a Sustainable Society*, a round table session to be held on **September 16th, 2011** in **Suzhou, China**, focusing on water treatment technologies in China. This provides opportunities for those who are interested in developing water treatment related R&D and business in China to interact with the key players in the entire industry value chain of the water treatment ecosystem.

Manufacturing Technologies for a Sustainable Society is a bimonthly workshop series aiming to promote and facilitate nanotech application development, partnerships and market access in China. It offers a powerful forum for you to present your company/organization's technologies, products and services to China's R&D and industry leaders, giving opportunities to establish strategic partnerships. The upcoming 4th workshop is a round table event that has the privilege of inviting highly regarded international speakers from China, Australia, Germany, Singapore and the United States to share their insights on the emerging water treatment related technologies and services, business opportunities and challenges. The workshop will include the following topics:

- Membrane technologies, modules and system integration
- Emerging water treatment and characterization technologies
- Water treatment ecosystem
- Global trends of water treatment related business

The city of Suzhou is well regarded as an innovation hub, being ranked top 3 in "2010 China's Most Innovative Cities" by Forbes, and has also been designated by China's Ministry of Science and Technology as China's nanotech cluster, with a focus on commercialization. Suzhou has the vibrant



www.nano-globe.biz



www.nanopolis-sz.cn

Suzhou Industrial Park (SIP) that already houses 20,000 multinational and national companies, and is now home to Nanopolis Suzhou, a focal point for nanotechnology commercialization, which will total one square kilometer when fully completed. A further 10 billion RMB (about 1.5 billion USD) has been committed for the next 5 years to further develop Suzhou's high-tech and nanotech enabled industries. SIP has developed world class R&D and commercialization capabilities in the areas of **Micro- & Nano-manufacturing Technologies, Energy and Green Technologies, and Nano Medicine**. It is equipped with the state-of-the-art micro/nano-fabrication and characterization facilities as well as gas/water purification laboratories with plans to establish a complete energy and green technology ecosystem.

We will arrange for site visits of Suzhou's nanotechnology/water purification infrastructure and commercialization capabilities. Suzhou is a beautiful, ancient garden city known as the "Venice of the Orient" and we will provide you with glimpses of the city's charm, too.

Organizers

[Suzhou Nanotech Co., Ltd](#) Suzhou, China

[Sino-Singapore Ecological Science Hub](#)

[NanoGlobe Pte Ltd](#), Singapore

Chairs

Dr Jacky WU, Vice President, Suzhou Nanotech Co., Ltd

Dr Lerwen LIU, Managing Director, NanoGlobe Pte Ltd

Program

Time	Presentation
8:40 – 9:00 AM	Registration
9:00 – 9:20 AM	Suzhou Industry Park Overview and Nanopolis Suzhou <i>Mr Jacky WU, Vice President, Suzhou Nanotech Co. Ltd, China</i>
9:20 – 9:40 AM	Advanced Laboratory for Environmental Research and Technology (ALERT) and the Major Research Areas <i>Dr Wenwei LI, Lab Manager, ALERT, Suzhou Industrial Park (SIP), China</i>
9:40 – 10:00 AM	Nanomaterials-based Filtration Membranes for High-efficient Separation <i>Dr Jian JIN, Professor, SINANO, China</i>
10:00 – 10:20 AM	In Situ Monitoring of Membrane Fouling in Water Treatment Applications Using a ‘Canary’ Module Electrical Impedance Spectroscopy <i>Dr Terry CHILCOTT, Founding Director, Inphaze Pty Ltd, Australia</i>
10:20 – 10:40 AM	Tea Break
10:40 – 11:00 AM	Opportunities and Challenges for China to adopt new Water Technologies <i>Mr Kenneth EPSTEIN, Principal, NewCap Partners Inc., USA</i>
11:00 – 11:20 AM	Pilot-scale application of UF/RO system on water reuse in dyeing and printing industry <i>Dr. Zhenjia ZHANG, Professor , Shanghai Jiao tong University, (SINANO) ,China</i>
11:20 – 11:40 AM	photocatalytic technology based on nano-TiO₂ <i>Dr.Xiaoxia LIN, Key Laboratory of Environment and Biosafety, China</i>
11:40 – 12:00 NN	Development of novel 2D-nanophotocatalysts for organic pollutant degradation in water <i>Dr. Chenwei, Professor, SINANO, China</i>
12:00 – 12:20 NN	Nano-Bubbles – Green Solution for Reviving Water Ecosystems <i>Dr. Fwu-Shan SHEU, Chairman of the Board, BioNano Technology Co. Ltd., China / Singapore</i>
12:20 – 12:30 NN	Break
12:30 – 2:30 PM	Roundtable Discussion with Lunch Box (we invited Dr. Hermann BERGMANN from BASF as an observer to speak at the roundtable discussion.)
2:30 – 4:30 PM	Site Visits of Suzhou's Nanotechnology / SIPAC and Advanced Laboratory for Environmental Research and Technology.