

Forum: in collaboration with Institute of South East Asia Studies (ISEAS)
**Emerging Nanotechnology Power:
Overview of Nanotech Development in Asia and Application
in Energy, Health Care and ICT**

29 July 2009 (Wed, 10.30am – 12pm)

• ISEAS Seminar Room • 30 Heng Mui Keng Terrace, Pasir Panjang, S (119614) •



Dr Lerwen LIU

Managing Director:
NanoGlobe Pte Ltd and
SingNano Network
Secretary: Asia Nano Forum

Objective:

SingNano provides a platform for the Singapore Nanotech community to connect and build partnerships

Who Should Attend:

Policy Makers, Physical and Social Scientists, Engineers, Industrialists, Investors and General Public

PRESENTATION ABSTRACT: Nanotechnology is going to revolutionize the way we make things and transform the way we live. It is able to transform multiple industries including aerospace, agriculture, automotive, chemical, energy and environment, food, information and communication, medicine and health care, security and transportation. Nanotechnology offers so many possibilities such as providing cheap and clean energy; clean water; lighter and stronger materials; faster, more powerful and energy efficient computers; an exponential increase in information storage capacity; lotus-like self cleaning surfaces; the reduction or elimination of pollution; and early detection and treatment for cancer and other diseases. Dr Lerwen Liu will provide an overview on Nanotechnology impact in Energy & Environment, Health Care and Information Communication Technology (ICT). Asia is one of the fastest growing regions in nanotechnology R&D and commercialization. Dr Liu will also share her insight on Nanotechnology development in terms of policy & funding, infrastructure, R&D & commercialization, education and risk management in the Asia Pacific in the last 10 years since the announcement of the US National Nanotechnology Initiative (NNI).

ABOUT THE SPEAKER: Lerwen LIU is an Asia-based nanotechnology expert specializing in government and corporate strategic services to policy makers and corporate executives. She also specializes in business development and project management for leading nanotechnology companies in their global expansion of R&D, commercialization and market. Since 1999 she has been actively building nanotechnology networks with government agencies, R&D institutions and industries across the world, especially promoting nanotechnology policy and cooperation in the Asia region. She co-founded the Asia Nano Forum (a Singapore-based network organization linking 14 Asia Pacific economies) and founded the SingNano network in Singapore, which provides a platform for nanotech government, academic and industry leaders to collaborate and accelerate commercialization of R&D. She liaises closely with government agencies, R&D organizations and industries Asia, North America and Europe and promotes nanotechnology policy, research activities, products and partnerships to the micro/nanotechnology R&D and business community in Asia.

Dr Liu is a director of Zyvex Asia managing its operation in Singapore and its Atomic Precise Manufacturing Program (APM). She is also a strategic advisor and a member of the Board of Directors of Nanostart Asia actively contributing to Nanostart's Asia investment business in Asia Pacific region. She is an invited evaluation panel member for the Proof-of Concept (POC) grant scheme of the National Research Foundation (NRF), Singapore. She is the director and founder of NanoGlobe, a consulting company specializes in micro and nanotechnology strategy, business development and incubation in Asia. Dr Liu has a PhD in physics specializing in many-body effects and transports in semiconductor nanostructures, and has conducted research work in Australia, Japan, USA and Italy. Dr Liu is an Australian citizen and currently based in Singapore.

Supported By:



ABOUT NANO GLOBE PTE LTD (www.nano-globe.biz)

NanoGlobe is a leading nanotech consulting company based in Singapore that provides tailored services to its corporate, government and research institution customers in nanotechnology investment, policy, R&D and industry strategy, and capability assessment. It provides business development and incubator services to nanotechnology start ups through fund raising, recruiting, project management, IP management, marketing, business partnership matching and other needed activities. It also supports multinational corporation and investors with PR, recruiting, business development and M&A. NanoGlobe also specializes in advising and supporting foreign companies to expand their business throughout Asia and locate their Asian business or R&D strategic headquarters in Singapore or other strategic locations. The company was founded Dr Lerwen Liu who is an internationally well-known nanotechnology specialist for her insight and professional services in the global nanotechnology policy, network, business development, competitiveness assessment and investment.

Dr. Lerwen Liu's book titled "Emerging Nanotechnology Power: Nanotechnology R&D and Business Trends in the Asia Pacific Rim" will be available at the discounted book launch price during the lunch reception.

**** ADMISSION IS FREE and LUNCH is provided**:** Please register via email:
serenenano@nano-globe.biz