

Technology Commercialisation Forum | 2007

Conference Focus:

Alternative Energy

Nanobiotechnology

5 & 6 Nov 2007

Marina Mandarin
Singapore



Organised by:

Industry Liaison Office
A division of NUS Enterprise
National University of Singapore

TECHNOLOGY COMMERCIALISATION FORUM 2007

5 – 6 November 2007
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Organised by NUS Industry Liaison Office, NUS Enterprise

The **Technology Commercialisation Forum (TCF)** is a premier event in Asia that brings together industry and investors from the region to explore the opportunities that the emerging economies of Asia present.

This year's event will spotlight on two technology trends – Alternative Energy and Nano-biotechnology. The twin-focus conference congregates researchers, industry professionals, venture capitalists, entrepreneurs in the field to examine trends, best practices and key issues involved in commercializing Alternative Energy and Nano-Biotechnology innovations.

Key experts from Alternative Energy and Nano-Biotechnology will share insights and market focus to catalyze connections and create impact.

There will be lively exchange of ideas through plenary sessions, access to exciting nascent technologies on display through technology showcases and an interactive environment to forge research collaborations and business deals.

Features

Breakout Sessions – hosted by featured guests from both academia and industry, the session highlights a technology theme that addresses the industry trend with presentations included.

Technology Showcases – Each session features 4-6 “pitches” selected from projects proposed by academia and industry from the Asian region who believe they have a marketable innovation. This interactive session encourages the audience to give feedback on the technology, market and opportunity.

SUPPORTING ORGANIZATIONS

The Association of University Technology Manager (AUTM)

The Association of University Technology Manager (AUTM) is once again lending its support to TCF07. AUTM is the world's leading non-profit organization dedicated to promote, support and enhance the global academic technology transfer profession.

World Intellectual Property Office's (WIPO)

In addition, the World Intellectual Property Office's (WIPO) association to TCF07 adds endorses TCF as the premier forum in Asia to realize University-Industry Partnerships.

CONFERENCE WEBSITE

More information on the conference can be found at: <http://www.nus.edu.sg/ilo/tcf07>

SUPPORTERS & SPONSORS

Sponsorship opportunities are available. For more information about sponsoring Technology Commercialization Forum, please contact:

Mr Kenny Lew

Manager, Outreach

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HOTEL/TRAVEL

The conference venue and hotel is the [Marina Mandarin](#). To make a hotel room reservation for this event, please contact:

Marina Mandarin Hotel

6 Raffles Boulevard, Marina Square

Singapore 039594

Tel: 65-6845 1188

email: resvn.mms@meritus-hotels.com

website: <http://www.marina-mandarin.com.sg>

REGISTRATION INFORMATION

	2 Days (per pax)		Per Day (per pax)	
	SGD (\$)	USD (\$)	SGD (\$)	USD (\$)
Standard Rates	360	240	220	150
Group Rates (3 or more participants)	320	215	200	135

Please register at: <http://www.nus.edu.sg/ilo/tcf07/register.htm>

Terms and Conditions:

- All prices are inclusive of 7% GST.
- All fees must be paid prior to the event.
- Only local cheques, Master and Visa cards are accepted.
- Participants will receive a written confirmation within one week of receipt of payment.
- Withdrawals from conference made in writing before **19 October 2007** will be entitled to a refund, less 20% administration fee.
- No refunds are allowed for withdrawals made in writing on/after **19 October 2007**.
- "No-shows" are not entitled to refunds.
- Substitution is permitted within the same company if notice in writing is made prior to the event.
- NUS reserves the right to refuse entry if payment is not received prior to the event.
- All forms of booking are subject to the above terms and conditions.

CONTACT INFORMATION

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5 November 2007 - ALTERNATIVE ENERGY ("AE")

This segment will highlight opportunities, challenges and future trends in Alternative Energy and showcase some ongoing research and commercial activity in this area in the Asia Pacific region.

8.00 – 9.00am	Registration & Welcome Breakfast	
9.00 – 9.15am	Opening Speech – Guest of Honour Mr Philip Yeo, Chairman, SPRING	
9.15 – 10.00am	Plenary: "Challenges for renewable energy development- what can Asia do?" Benjamin K. Sovacool Energy Policy, Centre on Asia and Globalisation, Lee Kuan Yew School of Public Policy, NUS (Formerly Eugene P. Wigner Fellow at Oak Ridge National Laboratory, Senior Research Fellow at the Network for New Energy Choices, NY and Senior Research Fellow for the Virginia Center for Coal and Energy Research)	
10.00 – 10.30am	BREAK	
10.30 – 12.00pm	Track 1: Advances in sourcing for alternative energy sources – where, how and why? This session will discuss the challenges and opportunities in non-traditional energy sources - where can they be extracted, how they can be stored and distributed effectively and why there is still much that needs to be done in this area. Panelists: <ul style="list-style-type: none"> Dr Michael Quah (MODERATOR) Executive Director Energy & Environmental Sustainability Strategic Initiatives Concurrent Technologies Corporation, USA Chee Yeen Yee Commercial Director, Phoenix Solar Pte Ltd Mr Vernon Tan Director, Product, Project Development Climate Change and Alternative Energy AES (Asia and Middle East) Assoc Prof Jeff P. Obbard Chemical & Bio-molecular Engineering, National University of Singapore Prof Abd Halim Shamsuddin Mechanical & Materials Engineering University Kebangsaan Malaysia (UKM) 	Track 2: Energy Innovations in transportation, buildings and utilities This session will discuss applied issues of energy management and how energy innovations is necessary to ensure sustainability, with specific focus on transport, buildings and utilities, the 3 main areas of high energy consumption. Panelists: <ul style="list-style-type: none"> Assoc Prof Lee Siew Eang (MODERATOR) Director, Centre for Total Building Performance, School of Design & Environment, National University of Singapore Dr Stefan Adams Dept of Material Science and Engineering, National University of Singapore Frederick Crampe General Manager, Renewable Energy Exchange (Asia) Pte Ltd Energics Pte Ltd (pending) Reuters (pending) Yamatake (pending)
12.00 – 2.00pm	LUNCH	
2.00 – 3.30pm	Technology Showcase This showcase session highlights some of the R&D advances and capabilities that are available within Southeast Asia for potential collaboration and/or investments. Featuring innovations from research and innovation centres within Southeast Asia, e.g. Biomaterials, Fuel Cells, Systems Management, Engineering / Electronics / Design in energy innovations. <ul style="list-style-type: none"> Fuel Cells based system Microbial Fuel Cells Materials for Hydrogen Production Photosensitized Nanomaterials for Solar Cells Clean Energy Research and Testbedding Centre 	
3.30 – 4.00pm	BREAK	
4.00 – 4.30pm	AUTM (Association of University Technology Managers) Dr. Patrick L. Jones (PhD; MBA) Current - President, Association of University Technology Managers, 2007-2008 Director, Office of Technology Transfer, University of Arizona	
4.30 – 5.00pm	The Stanford Experience Jon Sandelin, Senior Associate Emeritus, Office of Technology Licensing, Stanford University	
5.00 – 6.00pm	CLOSING KEYNOTE: Taking on Energy Innovations in Asia – What does it take? Dr Michael Quah Executive Director, Energy & Environmental Sustainability, Strategic Initiatives Concurrent Technologies Corporation, USA	

6 November 2007 - NANO-BIOTECHNOLOGY ("NB")

This segment will highlight opportunities, challenges and future trends in Nanobiotechnology and showcase some ongoing research and commercial activity in this area in the Asia Pacific region.

8.00 – 9.00am	Registration & Welcome Breakfast
9.00 – 10.00am	Plenary : "Nanotechnology and Life Sciences: Science and Business Perspectives" Dr. Mostafa Analoui, Senior Director, Pfizer Global Research and Development
10.00 – 10.30am	BREAK
10.30 – 12.00pm	Nanobiotechnology Trends: Opportunities, show stoppers and future trends in Nanobiotechnology Panelists: <ul style="list-style-type: none"> Prof. Seeram Ramakrishna (MODERATOR) Co-Director, NUS Nanoscience and Nanotechnology Initiative, National University of Singapore Dr. Mostafa Analoui Senior Director, Pfizer Global Research and Development Dr. Andrew Campitelli Programme Director, Bio Micro Nano Technology, MiniFAB, Australia Mr. Marco Beckmann CEO, NanoStart, Germany
12.00 – 1.30pm	LUNCH
1.30 – 3.00pm	Technology Showcase: A show case of Nanobiotechnology research in Singapore Kickoff by Prof. Seeram Ramakrishna <ul style="list-style-type: none"> NIR activated upconversion nanoparticles with visible emission for sensing <i>Prof. Chow Gan Moog, Department of Material Science and Engineering, NUS</i> Learning The Secrets Of Materials Synthesis from Nature <i>Prof. Suresh Valiyaveetil, Dept. of Chemistry NUS</i> Cancer Nanotechnology: Nanoparticles of Biodegradable Polymers for Cancer Diagnosis and Treatment <i>Prof. Feng Shi-Shen, Department of Chemical and Biomolecular Engineering, NUS</i> 3D Nanomat for Wound Healing <i>Prof. Lim Chwee-Teck, Division of Bioengineering, NUS</i> Collective Response from Conjugated Molecules for Biomolecule Detection <i>Dr. Liu Bin, Department of Chemical and Biomolecular Engineering, NUS</i> From Spider Silk to Super Silk <i>Prof. Liu Xiang-Yang, Department of Physics, NUS</i> Topic pending <i>Dr. Dieter Trau, Division of Bioengineering, NUS</i> Topic pending <i>Prof. Subbu Venkatraman, Department of Material Science and Engineering, NTU (TBC)</i>
3.00 – 3.30pm	BREAK
3.30 – 4.00pm	WIPO on Patenting Issues in Nanobiotechnology
4.00 – 5.00pm	Talks: Nanobiotechnology in Asia <ul style="list-style-type: none"> <i>Prof. Jeong-Woo Choi, Sogang University, Korea</i> <i>Prof. Chung-Shi Yang, Center for Nanomedicine Research, National Health Research Institutes, Taiwan</i> <i>Speaker, Nanotechnology Research Institute, AIST, Japan</i> <i>Speaker, National Nanotechnology Center (NANOTEC), Thailand</i>
5.00 – 5.30pm	CLOSING KEYNOTE 1: Topic pending <i>Mr Mark Bunger, Research Director, Lux Research</i>
5.30 – 6.00pm	CLOSING KEYNOTE 2: "The Rise of Nanobiotech and Why the Future of Technology is Wet" <i>Mr Tim Harper, CEO, Ceintifica, UK</i>
6.30 – 8.00pm	Cocktail