

## National Science and Technology Planning and the Role of Research Universities

*Jointly organized by The University of Tokyo and National University of Singapore*

Date : 26 & 27 January 2015  
Venue : The Vista  
Level 7, Lee Kong Chian Wing  
University Hall  
National University of Singapore

Any GSDM students interested in this symposium might wish to send e-mail to GSDM office ( [gsdm-ppoffice@pp.u-tokyo.ac.jp](mailto:gsdm-ppoffice@pp.u-tokyo.ac.jp) ) with a short essay up to 400 words describing the motivation (in relation with science and technology policy of Japan or Singapore, and your research interest) to apply for the position, by 8:00 am on Monday the 4<sup>th</sup> of January.

### **Overview**

Science and technology play an important and major role in contributing to today's economy. This workshop studies how research universities can be instrumental in national science and technology planning and policy-making, explores similarities and differences in practices between two countries, Japan and Singapore, which have made a significant impact on the innovation-driven growth in Asia, and identifies key factors for successes in linking science and technology to economic growth.

### **Proposed Speakers and Participants**

Organisation	No	Name / Designation
<b>Singapore</b>		
NUS	1	Prof Tan Chorh Chuan, President
	2	Prof Tan Eng Chye, Deputy President (Academic Affairs) and Provost
	3	Prof Barry Halliwell, Deputy President (Research & Technology)
	4	Prof Andrew Wee, Vice President (University & Global Relations)
	5	Prof Kishore Mahbubani, Dean, LKYSPP
	6	Dr Lily Chan, Chief Executive Office, NUS Enterprise
	7	Prof Gregory Clancey, Master, Tembusu College
	8	Prof Wong Poh Kam, Director, NUS Entrepreneurship Centre
	9	Ms Irene Cheong, Director, Industry Liaison Office
	10	Mr Brian Koh, Director, NUS Enterprise

Organisation	No	Name / Designation
	11	Dr Wang Hui, Director, Research Administration
	12	Prof Hang Chang Chieh, Head of Division of Engineering and Technology Management
		+
NTU	1	Prof Bertil Andersson, President
	2	Prof Freddy Boey, Deputy President and Provost
		+ other senior management
SUTD	1	Prof Thomas Magnanti, President
	2	Prof Chong Tow Chong, Provost
		+ other senior management
A*STAR	1	Mr Lim Chuan Poh, Chairman
		+ other senior management
EDB	1	Mr Yeoh Keat Chuan, Managing Director
		+ other senior management
National Research Foundation (NRF)	1	Prof Low Teck Seng, CEO
		+ other senior management
SPRING Singapore	1	Mr Philip Yeo, Chairman
		Mr Tan Kai Hoe, Chief Executive
MOE	1	
<b>Participants from Japan (as of September 27, 2014)</b>		
Yoichiro Matsumoto	Executive Vice President, The University of Tokyo	
Kazunori Kataoka	Professor, Schools of Engineering and Medicine, The University of Tokyo	
Ichiro Sakata	Professor, School of Engineering and Policy Alternatives Research Institute, The University of Tokyo	
Hideaki Shiroyama	Dean, Graduate School of Public Policy, The University of Tokyo	
Hiroshi Kan Suzuki	Professor, University of Tokyo and Keio University (formerly State Minister of Ministry of Education and Science)	
Kiyoshi Yoshikawa	Executive Vice President, Kyoto University	
Takashi Tatsumi	Executive Vice President, Tokyo Institute of Technology	
Tamotsu Tokunaga	Executive Advisor to the President, University of Tsukuba (formerly at Ministry of Education and Science)	
Shuji Hashimoto	Vice President, Waseda University	
Takahiro Ueyama	Professor, Graduate School of Media and Governance, Keio University	
Yutaka Tsujinaka	Executive Advisor to the President, Professor, University of Tsukuba	
Yutaka Matsuo	Associate Professor, School of Engineering, The University of Tokyo	
Masahiro Sugiyama	Assistant Professor, Policy Alternatives Research Institute, The University of Tokyo	
Ken Hayashima	Master's student, School of Engineering, The University of Tokyo	

**Proposed Programme**

<b>DAY 1 – 26 January 2015 (Monday)</b>			
<b>Time</b>	<b>Agenda</b>	<b>Venue</b>	<b>Chairs / Speakers</b>
9.00am	<b>Opening Address</b> <b>Prof Barry Halliwell</b> <b>Prof. Yoichiro Matsumoto</b>	The Vista Level 7, LKC Wing, University Hall	Prof Barry Halliwell, NUS Prof Hideaki Shiroyama, UTokyo
9.30am	<b>Session 1</b> <b>Human resource development and talent acquisition</b> <i>- 10-minute presentation by each speaker</i>  (1) Human resource development: Effective policies for developing human resources critical for fostering innovation; and their (unintended) side effects  (2) Talent acquisition: Effective methods for recruiting foreign, talented researchers (and management of its downsides)		<b>Panel Chair:</b> Prof Barry Halliwell, NUS Prof Hideaki Shiroyama, UTokyo  <b>Proposed Speakers:</b> 1. A*STAR 2. NUS 3. NTU 1. Prof. Yutaka Tsujinaka, Univ. Tsukuba 2. Prof Kiyoshi Yoshikawa, Kyoto Univ. 3. Prof. Takahiro Ueyama, Keio Univ.
10.30am	<b>BREAK</b>	The Nexus Level 6, LKC Wing, University Hall	
11.00am	<b>Session 1 (cont'd)</b> <b>Human resource development and talent acquisition</b> <i>- Panel discussion</i>	The Vista Level 7, LKC Wing, University Hall	
12.00pm	<b>LUNCH</b>	The Nexus Level 6, LKC Wing, University Hall	
1.30pm	Travel to Biopolis - Exploit Technologies Ptd Ltd (EPTL)	30 Biopolis St, #09-02, Matrix	

## DAY 1 – 26 January 2015 (Monday)

Time	Agenda	Venue	Chairs / Speakers
2.00pm	<b>Session 2A</b> (3) Industry-government-academia collaboration: Best practices for fostering public-private partnerships - <i>Tour of A*STAR Exploit Technologies &amp; Discussion</i>	EPTL, 30 Biopolis St, #09-02, Matrix	<b>Hosted by:</b> Mr Philip Lim, EPTL, A*STAR <i>(tbc)</i>
3.15pm	Travel to Science Park - Block 71		
3.30pm	<b>Session 2B – Part I</b> (4) Establishing science parks/research centers for industry-academia collaboration - <i>Tour of Science Park Block 71 &amp; Discussion</i>	Block 71, Science Park	<b>Hosted by:</b> Mr Brian Koh, NUS Enterprise
4.45pm	Travel to PGP		
5.00pm	<b>Session 2B – Part 2</b> (4) Establishing science parks/research centers for industry-academia collaboration - <i>Tour of PGP &amp; Discussion</i>	PGP	<b>Hosted by:</b> Mr Brian Koh, NUS Enterprise
6.15pm	Travel to NUS Shaw Foundation Alumni House		
6.30pm	<b>DINNER</b> - <b>Hosted by Prof Tan Chorh Chuan, President, NUS</b>	University Club, Level 4, Shaw Foundation Alumni House, NUS	
8.30pm	End of Day 1		

## DAY 2 – 27 January 2015 (Tuesday)

Time	Agenda	Venue	Proposed Speakers
9.00am	<p><b>Session 3</b>  <b>Linking science and technology policy (including university policy) and industrial policy</b>  <i>- 10-minute presentation by each speaker</i></p> <p>(5) Linkage between science and technology policy and industrial policy: Effective instruments for science and technology and industrial policy, and issues faced by universities</p> <p>(6) Evaluation of science and technology policy: Effects of science and technology policy in biotechnology and information and communication technology on economic growth</p>	The Vista Level 7, LKC Wing, University Hall	<p><b>Panel Moderators:</b>            Prof Wong Poh Kam, NUS            Prof Greg Clancey, NUS</p> <p><b>Proposed Speakers:</b></p> <ol style="list-style-type: none"> <li>1. NRF</li> <li>2. Prof Wong Poh Kam, NUS</li> <li>3. Prof Greg Clancey, NUS</li> <li>4. Prof Kazunori Kataoka, UTokyo (20 mins)</li> <li>5. Prof Hiroshi Kan Suzuki, UTokyo and Keio Univ.</li> </ol>
10.00am	<b>BREAK</b>	The Nexus Level 6, LKC Wing, University Hall	
10.30am	<p><b>Session 3 (cont'd)</b>  <b>Linking science and technology policy (including university policy) and industrial policy</b>  <i>- Panel discussion</i></p>	The Vista Level 7, LKC Wing, University Hall	
11.30am	<p><b>Discussion and wrap-up</b>            (7) Choosing priority areas: theme selection and resource allocation</p>		<p><b>Moderator:</b>            Prof Takashi Tatsumi, Tokyo Inst Tech            Prof Masa Sugiyama, UTokyo</p>
12.30pm	<b>LUNCH</b>	The Nexus Level 6, LKC Wing, University Hall	
2.00pm	End of Workshop		