

Program for Second Asia - Pacific Innovation Conference

National University of Singapore together with Hitotsubashi University is pleased to host the Second Asia-Pacific Innovation Conference, in collaboration with consortium of the universities and other academic institutions, the RIETI (the Research Institute of Economy, Trade and Industry) and the WIPO (the World Intellectual Property Organization). The conference will bring together scholars, including doctoral students, working on the economics, management and law of innovation. It will foster an inter-disciplinary exchange of knowledge. Sessions will include contributed papers, keynote presentations and panel discussions.

The scope of the conference topics will cover (1) entrepreneurship and startups, (2) innovation and industry evolution, (3) management of technology, (4) intellectual property protection for innovation, (5) standards, and collaborations, (6) IPR law and economics, (7) university research and university industry collaborations, (8) competition through R&D and innovation, (9) spillover, externality and public policy and (10) national innovation performance. There is going to be a WIPO sponsored session on university technology transfer. We would like to thank for many (200) high quality submissions to the conference from across the world, which have been refereed by the scientific committee for this conference.

- Conference dates: May 3 (Tuesday) and May 4 (Wednesday)
- Venue: National University of Singapore
- The conference will be held in English

Conference Programme

Day 1 Tuesday 3 May 2011

8.10 – 8.30	REGISTRATION	
8.45	Conference opening	Ivan Png , National University of Singapore and Sadao Nagaoka , Hitotsubashi University
	Welcome remark	Carsten Fink , Chief Economist of the WIPO
9.00- 10.30	KEYNOTE SPEECH 1	
HSS Auditorium	Chair: Sadao Nagaoka , Hitotsubashi University	
	• Economics of Innovation as currently stands	
	Bronwyn Hall* , UC Berkeley and Maastricht University	
	KEYNOTE SPEECH 2	
	Chair: Ivan Png , National University of Singapore	
	• Preemptive Duplication in Complementary R&D Project	
	Jay Choi* , University of New South Wales and Michigan State University	

10.30 – 10.45 Tea break

10.45 – 12.15 **PARALLEL SESSION 1**

Seminar room 5-1 P.1.1 Special Session: University Technology Transfer (sponsored by WIPO)

Chair: **Carsten Fink**, Chief Economist of the WIPO

- Using Science to Innovate: How does using scientific advances generated by universities and firms affect the time taken to develop innovative new drugs?

Alexandra Stone*, University of Texas at Austin

- Academic Patenting in Belgium: Substitute or Complement to Research Quality?

Malwina Mejer*, Universite Libre de Bruxelles

- Drivers of University Research and Patenting in India: Econometric Estimation of the Research Production Function

Sabyasachi Saha*, Jawharlal Nehru University

Seminar room 5-3 P.1.2 Contributed Session: R&D Competition 1

Chair : **Paul Jensen**, The University of Melbourne

- Effects of Appropriability within Openness Influencing Innovation Performance among Taiwan Manufacturing Firms

Wei-Ying Chen* and Hsin-Yi Hu*, National Chengchi University / The Graduate institute of Technology & Innovation Management

- Should firms outsource their basic research? Productivity effects of internal versus external research

Susanne Thorwarth*, Katholieke Universiteit Leuven

- Incumbents' response to patent enforcement: In case of the 1994 Korean patent reform

Jun-Byoung Oh*, Inha University

Seminar room 5-4 P.1.3 Contributed Session: Management of Technology

Chair: **Mikhail Klimenko**, Georgia Institute of Technology

- Influence that Distance from the Divisional Environment has on the Innovation Process—A Comparative Analysis of ArF Resist Materials Development

Yaichi Aoshima*, Hitotsubashi University

- Managerial ownership, entrenchment and innovation

Mila Beyer*, Katholieke Universiteit Leuven

- The Effect of Performance Feedback and Financial Slack on the Explorative and Exploitative Innovation Behavior of Firms

Lin Hua Lu*, National Cheng Kung University

12.15 – 1.15	Lunch
1.15 - 2.45	<p>KEYNOTE SPEECH 3</p> <p>Chair: Loy Wee Loon , National University of Singapore</p> <ul style="list-style-type: none"> • Patent system reform <p>Carsten Fink*, Chief Economist of the WIPO</p> <p>KEYNOTE SPEECH 4</p> <p>Chair: Reiko Aoki, Hitotsubashi University</p> <ul style="list-style-type: none"> • Network Dynamics: Theory and Evidence <p>Luis Cabral*, IESE Business School</p>
2.45-3.00	Tea Break
3,00 – 4.30	<p>PARALLEL SESSION 2</p> <p>Seminar room 5-1 P.2.1 Invited Session: Standards, Patent Pools and Innovation</p> <p>Chair: Nancy Gallini, University of British Columbia</p> <ul style="list-style-type: none"> • Evolving Technologies and Standards Regulation <p>Luis Cabral*, IESE Business School</p> <ul style="list-style-type: none"> • Standardization as Policy <p>Reiko Aoki*, Hitotsubashi University</p> <ul style="list-style-type: none"> • R&D competition for standardization: the role of consortia <p>Yann Meniere*, Ecole des Mines Paris</p> <p>Seminar room 5-3 P.2.2 Contributed Session: Science, University Research and University Industry Collaborations</p> <p>Chair: William Latham, University of Delaware</p> <ul style="list-style-type: none"> • Do co-publications with industry lead to higher university technology commercialization activities? <p>Poh Kam Wong*, NUS Business School</p> <ul style="list-style-type: none"> • A case study of new product development process for university research institution <p>Alisara Suriyasomboon*, Chulalongkorn University</p> <ul style="list-style-type: none"> • Localized norms and academics' industry involvement: The moderating role of age on professional imprinting" <p>Birgit Aschhoff*, Centre for European Economic Research (ZEW)</p>

Seminar room 5-4 P.2.3 Contributed Session: Patent and Policy

Chair : **Beth Webster** , University of Melbourne

- Innovation in clean/green technology: Can patent commons help?
Bronwyn Hall*, University of California, Berkeley
- The Strategies of Patent Introduction into Patent Pools
Justus Baron*, Cerna Mines ParisTech
- The myth of generic pharmaceuticals as competition under the Hatch-Waxman Act
Emily Morris*, Indiana University

4.30-4.40 Break

4.40-6.10 **PARALLEL SESSION 3**

Seminar room 5-1 P.3.1 Invited Session: Trade Secrets and Incentive

Chair: **Ivan Png** , National University of Singapore

- Do Innovative Firms Rely on Big Secrets?: An Analysis of IP Protection Strategies with the CIS 4 Survey
Serge Pajak*, Telecom Paris Tech
- Law and Innovation: Evidence from the Uniform Trade Secrets Act
Ivan Png*, National University of Singapore
- The effects of CEO incentive compensation on technology out-licensing: evidence from the pharmaceutical sector
Don O'Sullivan*, Melbourne Business School

Seminar room 5-3 P.3.2 Contributed Session – Complexity and Spillovers

Chair: **Keun Lee**, Seoul National University

- Changes in Firms' Knowledge Structures, Technological Complexity, and the Search for Useful Inventions
Sai Yayavaram*, National University of Singapore
- The Geographic Scope of Knowledge Spillovers: Spatial Proximity, Political Borders and Non-Compete Enforcement Policy
Jasjit Singh*, INSEAD
- International Technical Standards and Essential Patents From International Harmonization to Competition of Technologies
Branislav Hazucha*, Hokkaido University

Seminar room 5-4 P.3.3 Contributed Session: Financing and Commercialization

Chair: **Wong Poh Kam**, National University of Singapore

- The investment strategies of publicly sponsored venture capital funds
Giuseppe Scellato*, Politecnico di Torino
- Dynamic Interdependence in Firms' Product Innovation: Empirical Evidence and Implications for Public Financial Support
Daiya Isogawa*, The University of Tokyo.
- Why firms do not develop their inventions in-house
Russell Thomson*, The University of Melbourne (IPRIA)

6.20 Dinner (Guild House)

Day 2 Wednesday 4 May 2011

8.30-9.15 KEYNOTE SPEECH 5

HSS Auditorium Chair: **Reiko Aoki**, Hitotsubashi University

- Private Agreements for Coordinating Patent Rights: The Case of Patent Pools
Nancy Gallini*, University of British Columbia

9.15-9.30 Tea break

9.30-11.00 PARALLEL SESSION 4

Seminar room 5-1 P.4.1 Invited Session: Knowledge, Innovation and Catch-up

Chair: **Sadao Nagaoka**, Hitotsubashi University

- Diverse Entry and Catch-up Strategies of Firms under Different Demand Conditions: Evolutionary Economics Simulations
Keun Lee*, Seoul National University
- Changes in Industrial Leadership and Catch-Up by Latecomers in the World Steel Industry: Windows of Opportunity
Ki, Jeehoon*, Seoul National University
- Do firms that create intellectual property also create and sustain more good jobs? Evidence for UK firms, 2000-2006
Christine Greenhalgh*, University of Oxford (Emeritus)

Seminar room 5-3 P.4.2 Contributed Session: Sectoral Innovation and Industry Evolution

Chair: **Luis Cabral**, IESE Business School

- Technology cycles, dominant design and firm survival in the early years of the tractor

industry

Vanessa Duarte*, CEFAGE -UE

- International Diffusion of Biotechnology: Patent and International Trade Evidence from China, India, Brazil and Argentina

Petr Hanel*, Universite de Sherbrooke.

- Relationships between products, patents and collaboration in drug discovery in Australia

John Liddicoat*, University of Tasmania

Seminar room 5-4 P.4.3 Contributed Session: Patents and Administration

Chair: **Bronwyn Hall**, UC Berkeley and Maastricht University

- Do Patent Offices Uphold The National Treatment Principle?

Beth Webster*, The University of Melbourne

- Patents, Workplace Culture and Academic Scientists'

Paul Jensen*, The University of Melbourne

- Can Innovation and Intellectual Property Protection Coexist in Medical Product Industry?

Arvinder Loomba, San Jose State University

11.00-11.15 Break

11.15-12.45 **PARALLEL SESSION 5**

Seminar Room 5-1 P.5.1 Contribution Session: National Innovation Performance 1

Chair: **Ivan Png**, National University of Singapore

- Innovation and productivity of Dutch firms: A panel data analysis

Mark Vancauteran*, Hasselt University and Statistics Netherlands

- R&D Resources Allocation and Productivity Growth in the OECD Manufacturing Industries

Jong-Rong Chen*, National Central University

- Entry and Productivity Growth: Evidence from Estimated Firm Dynamics Model

Tetsushi Murao*, Hitotsubashi University

Seminar Room 5-3 P.5.2 Contributed Session : R&D and Patent

Chair: **Jinyoung Kim**, Korea University

- Productivity and propensity: The two faces of the R&D-patent relationship

Gaetan de Rassenfosse*, The University of Melbourne

- Phasic Effects of R&D Subsidy on Firm Innovation

Kawon Cho*, Science and Technology Policy Institute, Korea

- The R&D-patent relationship: An industry perspective

Jerome Danguy*, Universite Libre de Bruxelles (SBS-EM, ECARES)

Seminar Room 5-4 P.5.3 Contributed Session: Inventors and Scientists 1

Chair: **Giuseppe Scellato**, Politecnico di Torino

- Knowledge creation process in science: Basic findings from a large-scale survey of researchers in Japan

Masatsura Igami*, National Institute of Science and Technology Policy.

- Scientific Career Choices and Intellectual Property

Kwanghui Lim*, Melbourne Business School

- Inventor Mobility, Productivity and Patent Value for Prolific Inventors in France, Germany, Japan, Korea and the UK

William Latham*, University of Delaware

12.45-1.45 Lunch

1.45-3.45 PARALLEL SESSION 6

Seminar Room 5-1 P.6.1 Invited session: Inventors and invention process

Chair: **Keun Lee**, Seoul National University

- Teams in R&D: Evidence from Inventor Data

Jinyoung Kim*, Korea University.

- The Characteristics and Mobility of Australian Inventors”

Alfons Palangkaraya*, University of Melbourne

- Exploring the sources of firm level scale economies in R&D: Complementary assets internal and external knowledge inflows, and inventor team size.

Sadao Nagaoka*, Hitotsubashi University

- The impact of patenting on collaboration: Evidence from a Norwegian panel of two waves of Community Innovation Survey

Eric J Iversen*, Nordic Institute for Studies in Innovation, Research and Education

Seminar Room 5-3 P.6.2 Contributed Session : Copyright, and Trademark

Chair: **Ivan Png**, National University of Singapore

- What is the True Loss Due to Piracy ? Evidence from Microsoft Office in Hong Kong –

Tin Cheuk Leung*, Chinese University of Hong Kong

- Trademark Map: A New Measure for Brand Position

Chung-Jen Chen*, Southern Taiwan University

- Copyright and open access for academic works.

Frank Muller-Langer, Max Planck Institute for Intellectual Property

- Negative Implications out of the Differences in the Scopes of Application: the Berne Convention and the Iranian Law

Ahad Gholizadeh M*, University of Isfahan

Seminar room 5-4 P.6.3 Contributed Session : National innovation performance 2

Chair : **Peter Hanel**, Universite de Sherbrooke

- R&D Productivity Change of Multiple Innovative Outputs: A Cross-Country Comparison”,
Chih-Hai Yang*, National Central University
- The Influence of Education in the Diffusion of Computers and the Internet Among Households: Evidence from the British Household Panel Survey
Luis Hernandez*, Essex University
- Technology Leapfrogging: The Singapore NEWater Case Study
Yen Cheng Michele Chew*, National University of Singapore
- An international study of resistance to innovation diffusion: Initial findings and preparation for quantitative work
Jason MacVaugh*, Japan Advanced Institute of Science and Technology

3.45-4.00

Tea Break

4.00-6.00

PARALLEL SESSION 7

Seminar Room 5-1 P.7.1 Invited Session: IPR law design

Chair: **Beth Webster**, The University of Melbourne

- Software and Business Method Patents – A Way Forward? ”
Natalie Stoianoff*, University of Technology, Sydney
- The Practical Effect of Patent Examination: A Comparative Analysis
Chris Dent*, University of Melbourne
- Trade-Related Aspects of the Japanese IP Laws
Nahoko Ono*, Hitotsubashi University

Seminar Room 5-3 P.7.2 Contributed Session : Technology transfer and co-creation

Chair: **Yaichi Aoshima**, Hitotsubashi University

- Study and Solutions to Promote University Technology Transfer
Phan Quoc Nguyen*, University of Technology
- Network in Action - how scientific network plays its role within the technological development process in the case of blockbuster drug discovery
Yasushi Hara*, Hitotsubashi University.

- From Knowledge transfer to Knowledge co-creation: New forms of knowledge exchange between universities and business community

Waltraut Ritter*, Asia Pacific Intellectual Capital Centre

- Innovation and Technological Catch-up in the Software Sector of China from the Sectoral System of Innovation (SSI) Perspective

Taeyoung Park*, Chonnam National University

Seminar room 5-4 P.7.3 Contributed Session: R&D Competition 2

Chair: **Jay Choi**, University of New South Wales and Michigan State University

- Language, Internet and Platform Competition: The case of search engines

Mikhail Klimenko*, Georgia Institute of Technology

- Competition, Licensing, and Incentives to Innovate

Jean de Bettignies*, Queen's University

- IP-related Antitrust Law & National Innovation Policy: A Comparative Study of Japan, Australia and China

George Tian*, Senior Lecturer at the University of Technology Sydney (UTS) Law School

- Why does protection for intellectual property rights strengthen an incentive?

Yasuhiro Arai*, Aomori Public College

6.0

Adjourn

* Presenter (for papers with multiple authors)