

# The 4<sup>th</sup> Asia-Pacific Innovation Conference



## **Local Hosts**

College of Social Sciences, National Taiwan University  
College of Law, National Taiwan University  
College of Management, National Taiwan University  
Department of Economics, National Taiwan University  
Institute of Economics, Academia Sinica  
School of Management, National Central University  
National Science Council  
CTBC Bank  
Audix Group

## **Key Overseas Sponsors**

Intellectual Property Research Institute of Australia, University of Melbourne  
Center for Economic Catch-up, Seoul National University

**Date**      **December 6<sup>th</sup> (Friday) – 7<sup>th</sup> (Saturday), 2013**

**Venue**     **National Taiwan University**

## Table

<b>Introduction.....</b>	<b>1</b>
<b>CVs of keynote and invited speakers.....</b>	<b>6</b>
<b>Timetable.....</b>	<b>9</b>
<b>Agenda.....</b>	<b>11</b>
<b>Transportation.....</b>	<b>20</b>
<b>Conference Venue Map.....</b>	<b>21</b>
<b>National Taiwan University Map.....</b>	<b>22</b>
<b>Hotels Map.....</b>	<b>23</b>
<b>Asia-Pacific Journal of Accounting of Economics.....</b>	<b>24</b>

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**Venue**     **National Taiwan University**

## The 4<sup>th</sup> Asia-Pacific Innovation Conference

College of Social Sciences, National Taiwan University is pleased to host the 4<sup>th</sup> Asia-Pacific Innovation Conference, in collaboration with a consortium of other academic institutions, including College of Law, National Taiwan University, College of Management, National Taiwan University, School of Management, National Central University, and Institute of Economics, Academia Sinica.

The conference will bring together scholars, including doctoral students, working on 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.

Dates: December 6 (Friday) and 7 (Saturday), 2013

Venue: Tsai Lecture Hall, College of Law, National Taiwan University

The conference will be held in English.

*Asia-Pacific Journal of Accounting & Economics (APJAE)*, an SSCI journal which is co-edited by City University of Hong Kong and National Taiwan University, and published by Taylor & Francis, plans to publish a special issue for the conference. Submit your paper online at Taylor & Francis ScholarOne Manuscript site (<http://mc.manuscriptcentral.com/raae>) and indicate it as a candidate for the special issue called "Asia-Pacific Innovation Conference" on or before January 31, 2014.

### Keynote and panel speakers

Branstetter, Lee	Heinz College, Carnegie Mellon University
Dosi, Giovanni	Institute of Economics, Sant'Anna School of Advanced Studies
Haskel, Jonathan	Business School, Imperial College Business School
Jaffe, Adam	Department of Economics, Brandeis University
Motohashi, Kazuyuki	Department of Technology Management for Innovation, The University of Tokyo
Nagaoka, Sadao	Institute of Innovation Research, Hitotsubashi University
Tamura, Yoshiyuki	School of Law, Hokkaido University
Webster, Beth	Melbourne Institute of Applied Economic and Social Research, The University of Melbourne



## Scope

The session topics would include:

- entrepreneurship and startups
- innovation and industry evolution
- management of technology
- intellectual property protection for innovation
- standards, alliance and consortia
- research and innovation funding
- university research and university industry collaborations
- science and technology policy in developing economies.

## Scientific Committee

Aoki, Reiko	Institute of Economic Research, Hitotsubashi University
Chen, Dar-Zen	Department of Mechanical Engineering, National Taiwan University
Chen, Jong-Rong	Graduate Institute of Industrial Economics, National Central University
Clarke, Thomas	Business School, University of Technology Sydney
Frankel, Susy	School of Law, Victoria University of Wellington
Huang, Mu-Hsuan	Department of Library and Information Science, National Taiwan University
Jang, Show-Ling	Department of Economics, National Taiwan University
Jensen, Paul	Melbourne Institute of Applied Economic and Social Research, The University of Melbourne
Lee, Keun	Department of Economics, Seoul National University
Li, Shu-Hsing	Department of Accounting, National Taiwan University
Lin, Hui-Lin	Department of Economics, National Taiwan University
Motohashi, Kazuyuku	Department of Technology Management for Innovation, University of Tokyo
Nagaoka, Sadao	Institute of Innovation Research, Hitotsubashi University
Shieh, Ming-Yan	College of Law, National Taiwan University
Webster, Beth	Melbourne Institute of Applied Economic and Social Research, The University of Melbourne
Wong, Poh-Kam	Department of Strategy & Policy, National University of Singapore
Wu, Ho-Mou	National School of Development, Peking University
Yang, Chih-Hai	Department of Economics, National Central University

## **Local Organizing Committee and Secretary**

### **Chair**

Lin, Hui-Lin                      College of Social Sciences, National Taiwan University

### **Co-chair**

Guo, Andy Ruey-Shan      College of Management, National Taiwan University

Jang, Show-Ling              Department of Economics, National Taiwan University

Peng, Shin-Kun              Institute of Economics, Academia Sinica

Shieh, Ming-Yan             College of Law, National Taiwan University

### **Program Committee Member**

Chen, Chung-Jen             Department of Business Administration, National Taiwan University

Chen, Jong-Rong             Graduate Institute of Industrial Economics, National Central University

Chen, Tain-Jy                 Department of Economics, National Taiwan University

Huang, Ching-I              Department of Economics, National Taiwan University

Hwang, Hong                 Department of Economics, National Taiwan University

Liu, Bih Jane                 Department of Economics, National Taiwan University

Liu, Jin-Tan                  Department of Economics, National Taiwan University

Wu, Tsong-Min              Department of Economics, National Taiwan University

Yang, Chih-Hai              Department of Economics, National Central University

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Kao, Szu-yu

Liang, Sylvia

Wang, Yi-Chen

## **Background**

The 1<sup>st</sup> Asia Pacific Region Innovation Conference was held in University of Melbourne in January 2010. Given a rapidly growing number of scholars in the Asia-Pacific region interested in innovation issues, we envisage that we will host such conferences regularly, rotating among Asia-Pacific countries. Participating institutions include:

The Intellectual Property Research Institute of Australia, University of Melbourne  
Institute of Innovation Research and Center for Intergenerational Studies (Institute of Economic Research), Hitotsubashi University, Japan  
Research Institute of Economy, Trade and Industry, Japan  
NUS Business School, National University of Singapore  
IP Academy, Singapore  
University of Auckland Business School  
New Zealand Centre of International Economic Law (NZCIEL)  
Faculty of Law, Victoria University of Wellington  
College of Social Sciences, National Taiwan University  
School of Management, National Central University  
Seoul National University  
Center for Economic Catch-up, KOREA  
School of Management, Graduate University of Chinese Academy of Science  
Intellectual Property Law Center, Drake University Law School  
World Intellectual Property Organization (WIPO)  
To learn more, visit the Asia Pacific Innovation Network website at <http://ap-in.org>

## **Keynote Speakers**

### **Giovanni Dosi**

Giovanni Dosi is a Professor of Economics and Director of the Institute of Economics at the Scuola Superiore Sant'Anna in Pisa. He serves concurrently as Co-Director of the task forces "Industrial Policy" and "Intellectual Property Rights" at *Initiative for Policy Dialogue* at Columbia University. Professor Dosi received his Ph. D. in Economics from the University of Sussex in 1983 and joined the Scuola Superiore Sant'Anna in 1998. He specializes in Economics of Innovation, Technological Change, Industrial Organization and Industrial Dynamics, among others. A selection of his works has been published in two volumes: *Innovation, Organization and Economic Dynamics. Selected Essays*, Cheltenham, Edward Elgar, 2000; and *Economic Organization, Industrial Dynamics and Development: Selected Essays*, Cheltenham, Edward Elgar, 2012.

### **Jonathan Haskel**

Jonathan Haskel is a Professor of Economics at Imperial College Business School in the Organization & Management Group. He serves as research fellow of the Centre for Economic Policy Research and the Institute for the Study of Labor and an Associate Editor of *Economica*. He is also an elected member of the Council of the Royal Economic Society. His main research interests are Productivity, Innovation, Intangible Investment and Growth. Professor Haskel received his Ph. D. in Economics from London School of Economics. His latest papers have been published in *Journal of Urban Economics*, *Economics Letters*, *Oxford Review of Economic Policy*, *Oxford Bulletin of Economics and Statistics*, and so on.

### **Adam B. Jaffe**

Adam Jaffe is a Fred C. Hecht Professor of Economics at Brandeis University, and Director of Motu Economic and Public Policy Research. Professor Jaffe received his Ph. D. in Economics from Harvard University in 1985. He served as Chair of Economics and Dean of the Faculty of Arts and Sciences at Brandeis, Associate Professor of Economics at Harvard University, and Senior Staff Economist at the President's Council of Economic Advisers under President George H.W. Bush. Jaffe was a co-founder (with Josh Lerner of Harvard University and Scott Stern of M.I.T.) of the Innovation Policy and the Economy group of the National Bureau of Economic Research. His research focuses on Technological Innovation and Technology Diffusion, particularly as it affects environmental and energy technologies. His latest book chapters has been published by Oxford University Press, University of Chicago Press, Stanford Business Books, Edward Elgar, and so on.

## **Invited Speakers**

### **Lee Branstetter**

Lee Branstetter is a tenured Associate Professor of the Heinz School at Carnegie Mellon University. He has a joint appointment with the Department of Social and Decision Sciences (SDS). He is also a research associate of the National Bureau of Economic Research and serves as an associate editor of the *Journal of International Economics*. He received his Ph. D. in Economics from Harvard University in 1996. He served as the Senior Economist for International Trade and Investment for the President's Council of Economic Advisors, and once served as a consultant to the OECD Science and Technology Directorate, the Advanced Technology Program of the U.S. Department of Commerce, and the World Bank. In recent years, he has been a research fellow of the Keio University Global Security Research Institute and a visiting fellow of the Research Institute of Economy, Trade, and Industry in Japan. His research interests include Economics of Technological Innovation, International Economics, Industrial Organization, and Economic Growth in East Asia, with a particular focus on China and Japan. His work has appeared in *American Economic Review*, *Quarterly Journal of Economics*, *RAND Journal of Economics*, and *Journal of International Economics*.

### **Kazuyuki Motohashi**

Kazuyuki Motohashi is a Professor of Department of Technology Management for Innovation at the University of Tokyo. He serves concurrently as research fellow at Research Institute of Economy, Trade and Industry, and visiting researcher, National Institute of Science and Technology Policy. He received his Ph. D. in Business and Commerce from Keio University in 2000. His research interest covers a broad range of issues in Economic and Statistical Analysis of Innovation, including Economic Impacts of Information Technology, International Comparison of Productivity, National Innovation System focusing on science and industry linkages and SME innovation and entrepreneurship policy. His work has appeared in *Japan and the World Economy*, *Journal of Business Economics and Management*. He also publishes several policy discussant papers in RIETI, PRIETI.

### **Sadao Nagaoka**

Sadao Nagaoka is a Professor of Institute of Innovation Research at Hitotsubashi University. He received his Ph. D. in Economics from Massachusetts Institute of Technology in 1990. He served as the Director of Institute of Innovation Research at Hitotsubashi University, Director of the Office for Russia and Eastern Europe at Ministry of International Trade and Industry of Japan. His research interests include

Invention and Innovation Process, the Effects of the Intellectual Property Rights on the Incentive and Efficiency of R&D, Design of Competition Policy for Promoting Dynamic Efficiency. His work has appeared in Handbook of the Economics of Innovation, and published by The National Academies Press, Palgrave Macmillan.

### **Yoshiyuki Tamura**

Yoshiyuki Tamura is a professor of School of Law at Hokkaido University. He also serves as the Program Director of the Research Institute for Information Law & Policy at Hokkaido University. He received Ph. D. in Law from the University of Tokyo in 1987. His research interests include, but are not limited to, Copyright Law, Patent Law, Trademark Law and Unfair competition Law. He has published more than ten books on various topics of intellectual property (some of them have been published in several editions) and numerous law review articles. Besides, He has translated and published several articles in Japanese and frequently contributes to the ongoing debates concerning current debates on intellectual property law and policy.

### **Beth Webster**

Beth Webster is a Professor of Melbourne Institute of Applied Economic and Social Research, and Director of Intellectual Property Research Institute of Australia. She serves concurrently for Council on Economic Policy, Advisory Group of Committee for Economic Development Australia and Committee for Economic Development Australia. She received her Ph. D. in Economics from University of Cambridge in 1996. Her research interests include Economics of Innovation, R&D and Intellectual Property, Labor Economics, Industrial Dynamics. Her work has appeared on RAND Journal of Economics, Oxford Economic Papers, Economic Papers, and so on.

## The 4<sup>th</sup> Asia-Pacific Innovation Conference Program

Date December 6<sup>th</sup> and 7<sup>th</sup>, 2013

Venue Tsai Lecture Hall, College of Law, National Taiwan University

Day 1	
8:00~8:50	Registration
8:50~9:10	Welcome Remarks Hui-Lin Lin (National Taiwan University) Fang-Jen Lee (National Taiwan University) Beth Webster (The University of Melbourne) Ming-Yan Shieh (National Taiwan University)
9:10~10:15	Plenary Session I
	Keynote Speech Jonathan Haskel (Business School, Imperial College London)
	Invited Speech Kazuyuki Motohashi (Department of Technology Management for Innovation, University of Tokyo)
10:15~10:35	Refreshment Break
10:35~12:05	Parallel Session I
	1A Inventors and Scientists
	1B Globalization and Innovation
	1C Innovation and Firm Performance I
	1D Laws and IPRs I
12:05~13:30	Lunch
13:30~14:35	Plenary Session II
	Keynote Session Giovanni Dosi (Institute of Economics, Scuola Superiore Sant'Anna)
	Invited Speech Yoshiyuki Tamura (School of Law, Hokkaido University)
14:35~14:55	Break
14:55~16:25	Parallel Session II
	2A University-Industry-Research Institute Collaboration
	2B Patenting Strategy
	2C R&D Tax
	2D Strategy, Resources and Innovation
16:25~16:45	Refreshment Break

16:45~18:15	Parallel Session III
	3A R&D and Productivity
	3B Knowledge Spillover
	3C Patent System
	3D Financing and Innovation
18:15-	Dinner
<b>Day 2</b>	
9:00~10:05	Plenary Session III
	Keynote Speech Adam Jaffe (Department of Economics, Brandeis University)
	Invited Speech Beth Webster (Faculty of Business & Economics, The University of Melbourne)
10:05~10:25	Refreshment Break
10:25~11:55	Parallel Session IV
	4A Innovation Policy
	4B Innovation Theory
	4C Technology Transfer
	4D Laws and IPRs II
11:55~13:30	Lunch
13:30~14:20	Plenary Session IV
	Invited Speech Sadao Nagaoka (Institute of Innovation Research, Hitotsubashi University)
	Lee Branstetter (Heinz College, Carnegie Mellon University)
14:20~14:40	Refreshment Break
14:40~16:10	Parallel Session V
	5 A Technology Catching
	5 B Managing Innovation
	5 C Innovation and Firm Performance II
	5 D Knowledge Flow and Linkage
16:10~17:30	Poster Session
18:00-	Dinner



## Day 1—December 6<sup>th</sup> (Friday)

### 8:00~8:50 Registration

### 8:50~9:10

<b>Welcome Remarks</b>	<b>Venue: International Conference Hall, 1<sup>st</sup> Floor, College of Law</b>
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- Hui-Lin Lin (National Taiwan University)
- Fang-Jen Lee (National Taiwan University)
- Beth Webster (The University of Melbourne)
- Ming-Yan Shieh (National Taiwan University)

### 9:10~10:15

<b>Plenary Session I</b>	<b>Venue: International Conference Hall, 1<sup>st</sup> Floor, College of Law</b>
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Chair: Beth Webster (The University of Melbourne)

- ◆ Jonathan Haskel (Business School, Imperial College London)
- Kazuyuki Motohashi (Department of Technology Management for Innovation, University of Tokyo)

### 10:15~10:35

<b>Refreshment Break</b>	<b>Venue: Lobby, 1<sup>st</sup> Floor, College of Law</b>
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### 10:35 – 12:05 Parallel Session I

<b>1A Inventors and Scientists</b>	<b>Venue: Room 1301, 3<sup>rd</sup> Floor, College of Law</b>
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Chair: Jonathan Haskel (Imperial College London)

- The Deteriorating Career Prospects of Scientists (Catherine de Fontenay\*, Kwanghui Lim, The University of Melbourne)
- Job Attitudes, Organizational Reward System and Innovation Performance of R&D Scientists and Engineers (Ya-Hui Lin\*, National Taiwan University; Lena Lee, Poh-Kam Wong, National University of Singapore)
- Life-cycle Productivity of Industrial Inventors: How PhDs matter? (Koichiro Onishi\*, Osaka Institute of Technology; Sadao Nagaoka, Hitotsubashi University)

<b>1B Globalization and Innovation</b>	<b>Venue: Room 1302, 3<sup>rd</sup> Floor, College of Law</b>
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Chair: Shin-Kun Peng (Academia Sinica)

- Public Governance and National R&D Efficiency: An Application of Stochastic Distance Function Approach (Jin-Li Hu\*, National Chiao Tung University; Chiang-Ping Chen, Taiwan Institute of Economic Research; Yi-Hsuan Tseng, National Chiao Tung University)

- Patenting and Exports of Biotechnology Products by China, India, Brazil and Argentina, 1995-2009 (Petr Hanel\*, Université de Sherbrooke; Anthony Roger Amichia, Université de Sherbrooke; Pascal Lemelin, Observatoire des sciences et des technologies)
- Globalization and Technological Specialization: A Comparison Between Asian NIEs and Small European Economies (Poh Kam Wong\*, Annette Singh, Yuen Ping Ho, National University of Singapore)

**1C Innovation and Firm Performance I**      **Venue: Room 1303, 3<sup>rd</sup> Floor, College of Law**

Chair: Kamhon Kan (Academia Sinica)

- Does the Expansion of Chinese State-owned Enterprises Affect the Innovative Behavior of Private Enterprises? (Lei Cheng\*, University of California Berkeley; Zhen Lei, Pennsylvania State University; Brian D. Wright, University of California Berkeley)
- R&D, Innovation, and Business Performance of Japanese Start-ups: A Comparison with Established Firms (Kenta Ikeuchi\*, National Institute of Science and Technology Policy; Hiroyuki Okamuro, Hitotsubashi University)
- Why Could not Korean Firms Get the Same Success in the Telecom Equipment Sector as in the Mobile Handset Sector? (Tae-Young Park\*, Hanyang University; Sung-Ho Rho, Sejong University)

**1D Laws and IPRs I**      **Venue: Room 1304, 3<sup>rd</sup> Floor, College of Law**

Chair: Toshiyuki Tamura (Hokkaido University)

- A Comparative Study of Defensive Patent Aggregators (Jyh-An Lee\*, National Chengchi University)
- Intellectual Property Protection for Innovation: Enforcement of Essential Patents and Technical Standards (Su-Hua Lee\*, National Taipei University)
- Taking Soft Infrastructure Seriously: Networks, Antitrust and Open Approaches to Intellectual Property in High Technology (Carl Mair\*, Leiden University)

**12:05~13:30**

**Lunch**      **Venue: 1<sup>st</sup> Floor, College of Social Sciences**

### 13:30~14:35

#### Plenary Session II

Venue: International Conference Hall, 1<sup>st</sup>  
Floor, College of Law

Chair: Hong Hwang (National Taiwan University; Editor of *Asia-Pacific Journal of Accounting & Economics*)

- ◆ Giovanni Dosi (Institute of Economics, Scuola Superiore Sant'Anna)
- Yoshiyuki Tamura (School of Law, Hokkaido University)

### 14:35~14:55

#### Break

### 14:55~16:25 Parallel Session II

#### 2A University-Industry-Research Institute Collaboration Venue: Room 1301, 3<sup>rd</sup> Floor, College of Law

Chair: Ho-Mou Wu (Peking University)

- Academic Patenting and the Scientific Enterprise: Lessons from a Japanese University (René Carraz\*, Université de Strasbourg)
- Patent Examination Outcomes and International Trade Flows (Paul Jensen\*, Beth Webster, Alfons Palangkaraya, The University of Melbourne)
- Structural versus Organizational Factors Influencing the Propensity of Firms to Collaborate with Universities (Yuen-Ping Ho\*, Poh-Kam Wong, Annette Singh, National University of Singapore)

#### 2B Patenting Strategy

Venue: Room 1302, 3<sup>rd</sup> Floor, College of Law

Chair: Sadao Nagaoka (Hitotsubashi University)

- How Valuable Are Blocking Patent Strategies (Katrin Hussinger\*, Université du Luxembourg; Dirk Czarnitzki, Bart Leten, University of Leuven)
- Propensity to Patent in Weak Appropriability Regimes: Examination of Korean Patent Filings in China (Taehyun Jung\*, Hanyang University)
- Patents and Trademarks: Empirical Evidence on 'Evergreening' from Australia (Hazel V. J. Moir\*, Australian National University; Luigi Palombi, PalombiIP)

#### 2C R&D Tax

Venue: Room 1303, 3<sup>rd</sup> Floor, College of Law

Chair: Ming-Jen Lin (National Taiwan University)

- The Effectiveness of R&D Tax Credits: Cross-Industry Evidence (Russell Thomson\*, The University of Melbourne)
- Thanks, But No Thanks: Companies' Response to R&D tax Credits (Stijn

Kelchtermans\*, Daniel Neicu, University of Leuven; Peter Teirlinck,  
Hogeschool-Universiteit Brussels)

- Legality of R&D Subsidies and its Policy Framework under the World Trading System: The Case of Civil Aircraft Disputes (Wonkyu Shin\*, Wonhee Lee, Seoul National University)

**2D Strategy, Resources and Innovation Venue: Room 1304, 3<sup>rd</sup> Floor, College of Law**

Chair: Ryh-Song Yeh (Yuan Ze University)

- Strategic Orientation, Organizational Slack and the Interfirm Linkage Portfolio (Lin-Hua Lu\*, National Cheng Kung University; Yi-Fen Huang, Dayeh University)
- Exploring the Determinants of Follow-up Patenting Behavior: Evidence of Top Bearings Companies in the World (Hsueh-Liang Wu\*, National Taiwan University; Cheng-Yu Lee, Southern Taiwan University; J. Lin, National Taiwan University)
- Strategy and Resource-Capacity Alignment in New Product Development (Chung-Jen Chen\*, Andy Ruey-Shan Guo, National Taiwan University; Yung-Chang Hsiao, Atomic Energy Council; Kae-Kuen Hu, National Taiwan University)
- Protection of Basic Research and R&D Incentives in an International Setting (Reiko Aoki\*, Hitotsubashi University; Tina Kao, Australian National University)

**16:25~16:45**

**Refreshment Break Venue: Corridor, 3<sup>rd</sup> Floor, College of Law**

**16:45: 18:15 Parallel Session III**

**3A R&D and Productivity Venue: Room 1301, 3<sup>rd</sup> Floor, College of Law**

Chair: Giovanni Dosi (Scuola Superiore Sant'Anna)

- Innovation, Efficiency, Productivity and Intellectual Property Rights: Evidence from a BRIC Economy (Sunil Kanwar\*, University of Delhi)
- Determinants of Quantitative and Qualitative Employment Growth: A Comparison between R&D-oriented and Other Start-ups in Japan (Hiroyuki Okamoto\*, Hitotsubashi University; Masatoshi Kato, Kwansai Gakuin University)
- The Scientific Linkage between Patents and Firm Productivity: Evidence from Taiwanese Electronics Firm Level Panel Data (Jong-Rong Chen\*, National Central University; Kamhon Kan, Academia Sinica; I-Hsuan Tung, National Central University)

**3B Knowledge Spillover****Venue: Room 1302, 3<sup>rd</sup> Floor, College of Law**

Chair: Lee Branstetter (Carnegie Mellon University)

- Impact of University Entrepreneurship Programs on Students' Entrepreneurial Engagement: The Moderating Effect of Student Attitudes and Perceptions (Poh-Kam Wong\*, Yuen-Ping Ho, Pei-Chin Low, National University of Singapore)
- Explaining Inventors' Productivity Gain from Mobility: The Importance of Knowledge Obsolescence (Gaétan de Rassenfosse, The University of Melbourne)
- Inter-organizational Routines of Technological Innovation: A Case of International R&D (Sonya Wen\*, Tamkang University)

**3C Patent System****Venue: Room 1303, 3<sup>rd</sup> Floor, College of Law**

Chair: Adam Jaffe (Brandeis University)

- Effects of Early Initiation of Patent Examination on the Examination Quality (Sadao Nagaoka\*, Hitotsubashi University; Isamu Yamauchi, Research Institute of Economy, Trade and Industry)
- Examiner's Workload and the Grant Decision of Patent Office (Yee Kyoung Kim\*, Korea Institute of S&T Evaluation and Planning; Jun-Byoung Oh, Inha University)
- Financial Market Reaction and Prediction in Patent Litigations: A Case Study for South Korea (Junbuyong Oh\*, Inha University; Zhen Sun, University of California at Berkeley; Kineung Choo, Republic of Korea Naval Academy)

**3D Financing and Innovation****Venue: Room 1304, 3<sup>rd</sup> Floor, College of Law**

Chair: Hung-Jen Wang (National Taiwan University)

- Shock Propagation via Banks' Syndicated Interconnectedness (Makoto Nirei\*, Hitotsubashi University; Vladyslav Sushko, Bank for International Settlements)
- Heterogeneity of Capital Stocks :Classification by Factor Analysis (Konomi Tonogi\*, Kanagawa University; Jun-ichi Nakamura, Kazumi Asako, Hitotsubashi University)
- Risk and Contract Design in the Market for Technology (Russell Thomson\*, Beth Webster, Paul Jensen, The University of Melbourne)

**18:15****Welcome Party****Venue: 1<sup>st</sup> Floor, College of Social Sciences**

## Day 2—December 7<sup>th</sup> (Saturday)

9:00~10:05

**Plenary Session III**

**Venue: International Conference Hall, 1<sup>st</sup> Floor, College of Law**

Chair: Yin-Wong Cheung (City University of Hong Kong; Editor of *Asia-Pacific Journal of Accounting & Economics*)

- ◆ Adam Jaffe (Department of Economics, Brandeis University)
- Beth Webster (Faculty of Business & Economics, The University of Melbourne)

10:05~10:25

**Refreshment Break**

**Venue: Lobby, 1<sup>st</sup> Floor, College of Law**

### 10:25~11:55 Parallel Session IV

**4A Innovation Policy**

**Venue: Room 1301, 3<sup>rd</sup> Floor, College of Law**

Chair: Jong-Rong Chen (National Central University)

- Quality of Innovation on the Sidelines in Patenting Support Policies? (Mindaugas Kiskis\*, Mykolas Romeris University)
- Tailoring Patent Policy for Developing Economies (Hazel V. J. Moir\*, Australian National University; Ping-Kun Hsu, Tainan University of Technology)
- Science, Technology, Innovation and IP in India: New Directions and Prospects (Christine Greenhalgh\*, University of Oxford)
- Commercialization of Inventions: Policy & Practice in Vietnam (Quoc Nguyen Phan\*, Vietnam National University, Hanoi)

**4B Innovation Theory**

**Venue: Room 1302, 3<sup>rd</sup> Floor, College of Law**

Chair: Kazuyuki Motohashi (The University of Tokyo)

- The Dilemma of Defensive Patenting (Jing-Yuan Chiou\*, National Taipei University)
- A R&D Race with Knowledge Accumulation, Absorptive Capacity and Patent (Hsin-Mien Wang\*, University of Bielefeld)
- Intellectual Property, Endogenous Skill Difference, Foreign Direct Investment, Imitation and Southern Indigenous Innovation (Ziyin Zhuang\*, Wuhan University)

**4C Technology Transfer****Venue: Room 1303, 3<sup>rd</sup> Floor, College of Law**

Chair: Reiko Aoki (Institute of Economic Research, Hitotsubashi University)

- Search Boundary, Novel Recombination, and Technological Breakthrough (Jeongsik Lee\*, Hyun Ju Jung, Georgia Institute of Technology)
- Comparing the Management Practices and Firm Performance in Korean and Japanese Firms: An Empirical Study Using Interview Surveys (Tsutomu Miyagawa\*, Gakushuin University; Keun Lee, Seoul National University; YoungGak Kim, Senshu University; Kazuma Edamura, The Japanese National Institute of Science and Technology Policy)
- International Technology Transfer between China and the Rest of the World (Daniel Nepelski\*, Giuditta De Prato, Joint Research Centre, European Commission)

**4D Laws and IPRs II****Venue: Room 1304, 3<sup>rd</sup> Floor, College of Law**

Chair: Ming-Yan Shieh (National Taiwan University)

- The Increasing Use of Regulatory Exclusive in the Pharmaceutical Industry (Emily M. Morris\*, Indiana University)
- Elegy of Software Innovation in the Era of Electronic Commerce: Patent Eligibility of Business Method in terms of Comparative Perspective (Chung-Lun Shen\*, National Chengchi University)
- Attribution of Liability for Misappropriation of Tangible and Intangible Things in Japan: To Change the Law or to Change the Minds (Branislav Hazucha\*, Hsiao-Chien Liu, Toshihide Watabe, Hokkaido University)

**11:55~13:30****Lunch****Venue: 1<sup>st</sup> Floor, College of Social Sciences****13:30~14:20****Plenary Session IV****Venue: International Conference Hall, 1<sup>st</sup> Floor, College of Law**

Chair: Tain-Jy Chen (National Taiwan University)

- Sadao Nagaoka (Institute of Innovation Research, Hitotsubashi University)
- Lee Branstetter (Heinz College, Carnegie Mellon University)

**14:20~14:40****Refreshment Break****Venue: Lobby, 1<sup>st</sup> Floor, College of Law**

## 14:40 – 16:10 Parallel Session V

### 5A Technology Catching

Venue: Room 1301, 3<sup>rd</sup> Floor, College of Law

Chair: Eric S. Lin (National Tsing Hua University)

- Production Fragmentation and Technological Dynamics: Productivity Catch-up between Chinese and Taiwanese Electronics Firms (Ya-Pin Lyu\*, Hui-Lin Lin, National Taiwan University; Chih-Hai Yang, National Central University)
- An Evolutionary Model of a Change in Industrial Leadership and Catch-up by Latecomers/Followers (Jeehoon Ki\*, Keun Lee, Seoul National University)
- Technology Life Cycle and Specialization Patterns of Latecomer Countries: The Case of The Semiconductor Industry (Giorgio Triulzi\*, Maastricht University)
- Diverse Entry and Catch-up Strategies of Firms under Different Demand Conditions: Evolutionary Economics Simulations (Minho Yoon\*, Kyungbook National University; Keun Lee, Seoul National University; Jonghoon Park, Korean Broadcasting System)

### 5B Managing Innovation

Venue: Room 1302, 3<sup>rd</sup> Floor, College of Law

Chair: Ji-Ren Lee (National Taiwan University)

- Technological Capabilities of Chinese Enterprises: Who is Going to Compete Abroad? (Philipp Böing\*, Elisabeth Müller, Frankfurt School of Finance & Management; Philipp Sandner, Technische Universität München)
- Awarding Scarce Ideas in Innovation Contests (Jun Xiao\*, Nisvan Erkal, The University of Melbourne)
- In Search of An Alternative Technological Diversification Measure to the HHI-based Index (Jennifer Chen\*, Nanhua University; Show-ling Jang, Yung-Hsu Tsui, National Taiwan University)
- Let's Make Software Patentable or Maybe Let's Not: Evidence from the Indian Software Industry (Christian Helmers\*, Universidad Carlos III de Madrid; Markus Eberhardt, University of Nottingham; Marcel Fafchamps, University of Oxford; Manasa Patnam, Centre de Recherche en Économie et Statistique)

### 5C Innovation and Firm Performance II

Venue: Room 1303, 3<sup>rd</sup> Floor, College of Law

Chair: Tain-Jy Chen (National Taiwan University)

- Acquisitions, Productivity, and Profitability: Evidence from the Japanese Cotton Spinning Industry (Serguey Braguinsky\*, Carnegie Mellon University; Atsushi Ohyama, Hokkaido University; Tetsuji Okazaki, University of Tokyo; Chad Syverson, University of Chicago)
- Firm-demographics and IPRs in Norwegian Firms (Eric Iversen\*, Tore Sandven,



Nordisk Institutt for studier av innovasjon)

- The Impact of Technological Legislation on Expediting Academic Entrepreneurship in New Industrialized Economy: The Case of Taiwan's Higher Education (Peter J. Sher\*, Shihmin Lo, National Chi Nan University; Joseph L. Y. Che, Christ's College)

**5D Knowledge Flow and Linkage**

**Venue: Room 1304, 3<sup>rd</sup> Floor, College of Law**

Chair: Hong Hwang (National Taiwan University; Editor of *Asia-Pacific Journal of Accounting & Economics*)

- Academic Advisors and their Ex-graduate Students: A Channel of Knowledge Diffusion (Kineung Choo\*, Republic of Korea Naval Academy)
- Do Doctoral Degree and Prior Publication Matter? How Do They Vary across Countries? Science-Linkage and Technological Development in Laser Diodes (Hiroshi Shimizu\*, Yasushi Hara, Hitotsubashi University)
- Effects of Social Capital in Cluster Innovation: The Case of Malaysia Sekinchan Paddy Cluster (Amirah Shazana Bt Magli\*, Boon-Kwee Ng, Chan-Yuan Wong, University of Malaya)

**16:10~17:30 Poster Session**

**Poster Session**

**Venue: Lobby, 1<sup>st</sup> Floor, College of Law**

**18:00**

**Farewell Party**

**Venue: LivingOne, Ming-Da Hall**

## Shuttle

Please note that shuttle buses to the conference venue will depart from the front of the Howard Plaza Hotel, JustSleep, Howard International House at 8:10am of the first day (December 6), and at 8:20am of the second day (December 7). These buses will be easily identified as they will have a sign “The 4<sup>th</sup> Asia-Pacific Innovation Conference” on the bus window.

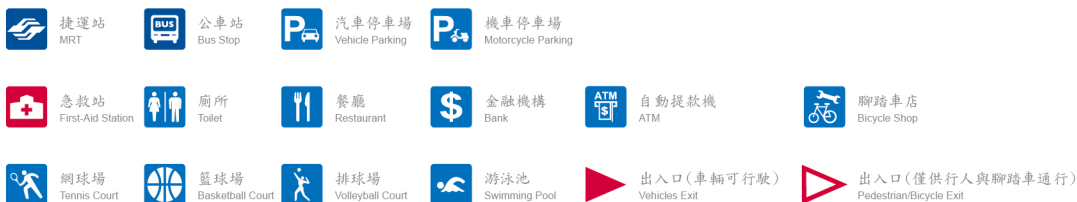
The buses then will depart from banquet venues at 8:30pm on both nights of December 6 and December 7. These buses will be easily recognized as they will be tagged with the individual sign of these 3 hotels.

Date	Departure	Starting Point	Terminal
December 6	8: 10 am	Hotels	Tsai Lecture Hall, College of Law
	20: 30 pm	College of Social Sciences	Hotels
December 7	8:20 am	Hotels	Tsai Lecture Hall, College of Law
	20:30 pm	LivingOne, Ming-Da Hall	Hotels

# Conference Venue Map



- 1** College of Social Sciences : Dec. 6-Dec. 7 Lunch (1F)  
Dec. 6 Welcome Party (1F)
- 2** Tsai Lecture Hall, College of Law : Plenary Session (1F/2F)  
Parallel Session (3F)
- 3** LivingOne, Ming-Da Hall : Dec. 7 Farewell Party (1F)





## 國立臺灣大學臺北校區地圖

Map of NTU Campus in Taipei City 2013 Y. 07 M. 18 D



- 行政與服務大樓  
Administration and Service Buildings
- 教學大樓  
Instructional Buildings
- 學術大樓  
Academic Buildings
- 學生宿舍  
Student Dormitories
- 其他  
Others



<p>圖例說明 Map Legend</p>	<ul style="list-style-type: none"> <li> 廁所 Toilet</li> <li> 餐廳 Restaurant</li> <li> 醫療站 First-Aid Station</li> <li> 網球場 Tennis Court</li> <li> 排球場 Volleyball Court</li> <li> 棒壘球場 Baseball Field</li> <li> 博物館 Museum</li> <li> 書店 Bookstore</li> <li> 捷運站 Metro Station</li> <li> 汽車停車場 Vehicle Parking</li> <li> 自行車拖吊保管場 Bike Pound</li> <li> 出入口 (車輛可通行) Vehicle Exit</li> </ul>	<ul style="list-style-type: none"> <li> 提款機 ATM</li> <li> 銀行 Bank</li> <li> 派出所 Police Station</li> <li> 游泳池 Swimming Pool</li> <li> 籃球場 Basketball Court</li> <li> 人工草皮球場 Artificial Turf Court</li> <li> 訪客中心 Information</li> <li> 捷運出口 Metro Station Exit</li> <li> 公車站 Bus Stop</li> <li> 機車停車場 Motorcycle Parking</li> <li> 自行車修理站 Bike Shop</li> <li> 出入口 (僅供行人/自行車通行) Pedestrian / Bike Exit</li> </ul>	<p>互動式電子地圖查詢 Interactive map of the NTU Campus <a href="http://map.ntu.edu.tw">http://map.ntu.edu.tw</a></p>	<p>本圖下載 Download this map</p>
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# Hotel Map



- ★
1

**國立臺灣大學法學院霖澤館 Tsai Lecture Hall, College of Law, National Taiwan University**  
 辛亥路與復興南路交叉口 The intersection of Xinhai Rd and Fuxing S. Rd
  
- ★
2

**捷絲旅飯店 JustSleep**  
 台北市大安區羅斯福路四段83號  
 No.83, Sec. 4, Roosevelt Rd., Da'an Dist., Taipei City 106, Taiwan (R.O.C.)
  
- ★
3

**福華國際文教會館 Howard Civil Service International House**  
 台北市大安區新生南路三段30號  
 No.30, Sec. 3, Xinseng S. Rd., Da'an Dist., Taipei City 106, Taiwan (R.O.C.)
  
- ★
4

**台北福華大飯店 The Howard Plaza Hotel**  
 臺北市大安區仁愛路三段160號  
 No.160, Sec. 3, Ren'ai Rd., Da'an Dist., Taipei City 106, Taiwan (R.O.C.)

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Economics

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The **Asia-Pacific Journal of Accounting & Economics (APJAE)** is an international forum intended for theoretical and empirical research in all areas of economics and accounting in general. The journal welcomes contributions related to the Asia Pacific region, and targets top quality research from scholars with diverse regional interests. The editors encourage submission of high quality manuscripts with innovative ideas.

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