

International Conference on Technology Policy and Innovation ICTPI 2017

Conference Program

27 th September (Wednesday)		
8:45	Registration and Coffee	
9:00	Opening	David V. Gibson <ul style="list-style-type: none">● Chair of ICTPI International Committee, University of Texas at Austin Fred Y. Phillips <ul style="list-style-type: none">● Program Chair of ICTPI 2017, Yuan Ze University Grace Tseng <ul style="list-style-type: none">● Dean of the Office of Academic Affairs, Yuan Ze University
9:20	Plenary Speech	Yong-whan Nick Lee <ul style="list-style-type: none">● Professor in Fintech, CHA University
10:00	Coffee Break	
10:30	Experience Speech	Chin-Tay, Shih <ul style="list-style-type: none">● Speaker● Professor of College of Technology Management & Morris Chang Chair Professor, National Tsing Hua University Tseng-Ju, Hsu <ul style="list-style-type: none">● Discussant● Deputy Director General of Hsinchu Science Park Bureau
12:00	Lunch	
13:30-	Student Invention Demonstration	
16:30		<ul style="list-style-type: none">● Student STEM Demonstrations● YZU Student Team Demonstrations
13:30	Parallel sessions	Session 101, 102, 103
14:30	Parallel Sessions	Session 201, 202, 203

16:00	Parallel Sessions	Session 301,302, 303
28th September (Thursday)		
8:30	Registration and Coffee	
9:00	Keynote Speech	Tomasz Arciszecoski Professor Emeritus, George Mason University
10:10	Coffee Break	
10:30	Plenary Speech	Robert Hodgson ● Managing director of Zernike (UK)
11:10	Plenary Speech	Bill Nuttall ● Professor in Energy, The Open University
12:00	Lunch	
13:30	Parallel Sessions	Session 401,402, 403
14:30	Parallel Sessions	Session 501,502, 503
16:00	Parallel Session	Session 601,602, 603
18:00	Banquet	
29th September (Friday)		
8:30	Registration and Coffee	
9:00	Keynote Speech	Arnoud De Meyer ● President, Singapore Management University
10:10	Coffee Break	
10:30	Editor panel session	Gloria Barczak ● Editor-in-Chief of Journal of Product Innovation Management Fred Y. Phillips ● Editor-in-Chief of Technological Forecasting and Social Change Jin Chen ● Editor-in-Chief of International Journal of Innovation Studies. Eldon Li ● Editor in Chief of International Jour. of Technology Policy and Law

12:00 Closing Remarks Fred Y. Phillips

- Program Chair of ICTPI 2017, Yuan Ze University



Innovation and Development in the Asian Century

Global Shifts in Technological Power

Parallel Sessions

[Updated September 24, 2017]

Session 101

Wednesday Sep 27 at 13:30-14:30, Room: A

Why is renewable energy not greening? The case of the Taiwanese fuel cell innovation system

👤 Author: **Tommy Shih**, *Department of Business Administration, Lund University*

👤 Author: **Justin Chou**, *Institute of Technology Management, National Tsing Hua University*

Linking corporate sustainability and innovation in supply chain management - Evidence of Taiwan leading glass recycling company

👤 Author: **Sirirat Sae Lim**, *Institute of Management of Technology, National Chiao Tung University*

👤 Author: **Lamin K Sonko**, *Institute of Management of Technology, National Chiao Tung University*

👤 Author: **Ting-An Wu**, *Spring Pool Glass*

Mobile App in Aquaculture Industry - iSea App

👤 Author: **How Ming Tan**, *International University of Malaya-Wales*

👤 Author: **Zien Lew**, *INTI International University*

👤 Author: **Nur Syafiyah Nabilah Arman**, *INTI International University*

👤 Author: **Ling Shing Wong**, *INTI International University*

Session 102

Wednesday Sep 27 at 13:30-14:30, Room: B

Concentric Structure of Innovation Ecosystem: a Contingency Perspective Based on Absorptive Capacity

👤 Author: **Liang Mei**, *Tsinghua University*

👤 Author: **Jin Chen**, *Tsinghua University*

👤 Author: **Tao Zhang**, *University of Birmingham*

Open Innovation in Architecture: The Way to the Smart City, Smart Life, and Sustainable Capitalism in the 2nd IT Revolution Era

👤 Author: **JinHyo Joseph Yun**, *DGIST, Open Innovation Academy*

👤 Author: **Xiaofei Zhao**, *DGIST, Open Innovation Academy*

👤 Author: **Tan Yigitcanlar**, *Queensland University of Technology (QUT)*

The coupling effect of technological diversity and economic performance: An endogenous growth case

👤 Author: **Igam M. Moaniba**, *National Chung Hsing University*

👤 Author: **Hsin-Ning Su**, *National Chung Hsing University*

Session 103

Wednesday Sep 27 at 13:30-14:30, Room: C

Bridging the gap: The academic contributions of university-government collaboration projects

👤 Speaker: **Prof. Mei-Chih Hu**, *National Tsing Hua University*

Session 201

Wednesday Sep 27 at 14:30-15:30, Room: A

How to Form the Sustainable Innovation Pathway: The Path Creation and the Sustainability Transition of High-tech Industries in Taiwan

👤 Author: **Shin-Ren Pan**, *School of Public Policy and Management, Tsinghua University*

👤 Author: **Lan Xue**, *School of Public Policy and Management, Tsinghua University*

Acceptance factors for the usage through the smartphone by blind people

👤 Author: **Anima Bag**, *Yuan Ze University*

👤 Author: **Yao Chin Lin**, *Yuan Ze University*

The relationship between High-Tech Industrial Park and HEIs in Shenzhen

👤 Author: **Yuan-Wei Zhu**, *National Cheng Kung University*

👤 Author: **Shiann-Far Kung**, *National Cheng Kung University*

What influences performance of science and technology parks? Lessons learned from Asia

👤 Author: **Marina van Geenhuizen**, *Delft University of Technology*

👤 Author: **Eryda Listyaningrum**, *Delft University of Technology*

Session 202

Wednesday Sep 27 at 14:30-15:30, Room: B

Openness, knowledge search strategy, and innovation performance

👤 Author: **Chun hsien Wang**, College of Management, *National Chiayi University*

👤 Author: **Jie Heng Lin**, *Graduate School of Business Administration, National Taiwan University*

Personal Innovativeness – A Systematic Review and New Scale Development

👤 Author: **Thanh-Thao T. Pham**, *College of Management, Yuan Ze University*

👤 Author: **Jonathan C. Ho**, *College of Management, Yuan Ze University*

Determinants of Innovativeness in ICT Clusters of Indonesia

👤 Author: **Liza Mahavianti Syamsuri**, *TU Delft*

👤 Author: **Marina Van Geenhuizen**, *TU Delft*

👤 Author: **Zenlin Kwee**, *TU Delft*

Session 203

Wednesday Sep 27 at 14:30-15:30, Room: C

Technological Catching-up in Machine Tools in India-Lessons from the East Asian Experience for Make in India

👤 Author: **Padma Suresh Mandala**, *Sri Venkateswara College, University of Delhi*

Technological and Economic Complexity of the Portfolios of Nations: Can the Prediction of GDP growth be Improved?

👤 Author: **Inga Ivanova**, *National Research University Higher School of Economics (NRU HSE), Russian Federation*

👤 Author: **Øivind Strand**, *Norwegian University of Science and Technology (NTNU)*

👤 Author: **Loet Leydesdorff**, *Amsterdam School of Communication Research (ASCoR), University of Amsterdam*

Using blockchain technology for improving supply chain performance

👤 Author: **Shuchih Ernest Chang**, *Institute of Technology Management, National Chung Hsing University*

👤 Author: **Ming-Fang Lu**, *Institute of Technology Management, National Chung Hsing University*

👤 Author: **Yi-Chian Chen**, *Institute of Technology Management, National Chung Hsing University*

Session 301

Wednesday Sep 27 at 16:00-17:00, Room: A

The Influencing Factors of Inventive Performance in Medical Technology Clusters

👤 Author: **Pieter E. Stek**, *Delft University of Technology*

👤 Author: **Marina S. van Geenhuizen**, *Delft University of Technology*

Innovation and Development in the Asian Century: The Development of Science and Technology Policy in Biotechnology Industry in Taiwan

👤 Author: **ShihHsin Chen**, *National Chiao Tung University*

👤 Author: **Wei-Ting Lin**, *National Chiao Tung University*

Unexpected Impact from a Government-imposed Barrier on Telecommunication Industry: Lessons learned from Korea's WIPI

👤 Author: **Yun Bae Kim**, *SungKyunKwan University*

👤 Author: **Fred Philips**, *Yuan Ze University College of Management*

👤 Author: **Yo Han Kim**, *SungKyunKwan University*

Session 302

Wednesday Sep 27 at 16:00-17:00, Room: B

Complementary-in Use Appropriability in Service Firms: An Empirical Study in Taiwan

👤 Author: **Min-Nan Chen**, *Department of BioBusiness Management, National Chiayi University*

👤 Author: **Chia-Hung Wu**, *College of Management, Yuan Ze University*

The Nonlinear Effects of Temporal Factors on Cross-Functional Integration and New Product Performance in Innovative Projects

👤 Author: **Sirirat Sae Lim**, *Institute of Management of Technology, College of Management, National Chiao Tung University*

👤 Author: **Shu-Pin Hung**, *Institute of Management of Technology, College of Management, National Chiao Tung University*

Welcome to work in Taiwan? Investigating the relationships among Job search self-efficacy, Intention, Intensity and Discrimination in a sample of South East Asian students in Taiwan

👤 Author: **Duong Nam Tien**, *Yuan Ze University*

👤 Author: **Yuhsuan Chang**, *Yuan Ze University*

Session 303

Wednesday Sep 27 at 16:00-17:00, Room: C

Challenges of Applying Artificial Intelligence in Telephone Scam Prevention: Technology, Data and Privacy

👤 Author: **Yu-Wen Huang**, *Institute of Telecom Management, NCKU*

👤 Author: **Kuang-Chiu Huang**, *Institute of Telecom Management, NCKU*

Predicting Continuance Intention of Ubiquitous Media System among Adults: Applying Integrated Technology Readiness and Technology Acceptance Model

👤 Author: **Alaleh Dadvari**, *National Central University*

👤 Author: **Ben-Roy Do**, *National Central University*

User acceptance of the common-use self-service kiosks in airport- the Taoyuan International Airport case

👤 Author: **Chih-Hung Hsieh**, *Yuan Ze University*

👤 Author: **Fred Y. Phillip**, *Yuan Ze University*

👤 Author: **Yu-Chi Chin**, *Yuan Ze University*

Session 401

Thursday Sep 28 at 13:30-14:30, Room: A

The Study on the analysis of regional efficiency of Korean governmental R&D investment

👤 Author: **Kyung Hwa Kim**, *Sungkyunkwan University*

👤 Author: **Hee Sang Lee**, *Sungkyunkwan University*

Team versus network: How diversity has a contrasting influence on university spin-off firms' growth.

👤 Author: **Marina van Geenhuizen**, *Delft University of Technology*

👤 Author: **Mozheh Taheri**, *Delft University of Technology*

Understanding Taiwan Drone Regulations and Policies: A Comparative Study on U.S. FAA Rules and Taiwan Civil Aviation Act with Amendment Draft

👤 Author: **Yu-Teng Jacky Jang**, *Department of Business Administration, Tunghai University*

👤 Author: **Shuchih Ernest Chang**, *Institute of Technology Management, National Chung Hsing University*

👤 Author: **Anne Yenching Liu**, *Department of International Trade, Chihlee University of Technology*

👤 Author: **Kevin Lai**, *Mills College*

A Comparative Study on the Network Structural Differences between Korean and German Innovation Clusters: Perspective of Triple-Helix System

👤 Author: **Injeong Lee**, *Korea Development Institute*

👤 Author: **Wonjoon Kim**, *Korea Advanced Institute of Science and Technology*

Session 402

Thursday Sep 28 at 13:30-14:30, Room: B

A research on entrepreneur's personal trait and opportunity identification

👤 Author: **Chang, Yu-lo**

👤 Author: **Tsai, Pei-ying**

👤 Author: **Kuo, Ting-kuie**

The Relationship between the Staging Investment of Corporate Venture Capital and Corporate Investor's Innovation

👤 Author: **Hyunsoup Ahn**, *Korea University*

👤 Author: **Jeewhan Yoon**, *Korea University*

A Study on the interaction between innovative technologies and society - Focused on mobile technology innovation based on SCOT and COI theory

👤 Author: **Hyun Baek**, *SungKyunKwan University*

👤 Author: **Hee Sang Lee**, *Sungkyunkwan University*

Session 403

Thursday Sep 28 at 13:30-14:30, Room: C

The influence of luxury car brand's retail channel types on consumer's purchase decisions

👤 Author: **Wenping.Hsieh**, *Yuan Ze University, Taiwan*

👤 Author: **Ching-Ying Yu**, *Yuan Ze University, Taiwan*

👤 Author: **Wen-Yeh Huang**, *Yuan Ze University, Taiwan*

Discussion on the Influence of Agile Manufacturing and Large-scale Customization on the Competitive Advantage of Taiwan Enterprises from the Viewpoint of Lean Production

👤 Author: **Jun-Ru Lai**, *Yuan Ze University*

👤 Author: **Ling-LangTang**, *Yuan Ze University*

👤 Author: **Ching-Ying Yu**, *Yuan Ze University*

The Evolution of Dynamic Capabilities from the Resource-Based View: Diesel Commercial Vehicles of Independent Chinese Brands Entering the Taiwanese Market

👤 Author: **Hsiao-Hsun Yuan**, *Yuan Ze University*

👤 Author: **Ching-Ying Yu**, *Yuan Ze University*

Foreign R&D activities in Russian high-tech medical equipment industry

👤 Author: **Chechena Kuular**, *Yuan Ze University*

👤 Author: **Ching-Ying Yu**, *Yuan Ze University*

A Study of Applied Product Life Cycle Theory in High-End Products via High-Mix, Low-Volume Production Strategy – for the Case of Copper Clad Laminate Industry

👤 Author: **Chang, Ko-Wei**, *Yuan Ze University*

👤 Author: **Tang, Ling-Lang**, *Yuan Ze University*

👤 Author: **Ching-Ying Yu**, *Yuan Ze University*

Session 501

Thursday Sep 28 at 14:30-15:30, Room: A

Electricity Futures for Isolated Ocean Islands – Scenarios and System Dynamics

👤 Author: **George Matthew**, *The Open University*

👤 Author: **Ben Mestel**, *The Open University*

👤 Author: **Laurence Dooley**, *The Open University*

👤 Author: **William Nuttall**, *The Open University*

Climate Change and Sustainable Development in the Caribbean

👤 Author: **David Gibson**, *UT-Austin*

👤 Author: **Elin Oftedal**, *University of Stavanger*

👤 Author: **Luz Longworth**, *University of West Indies*

Renewable Energy: A New Role of Sustainability to legitimize the selection of sustainable business practices in the energy sector

👤 Author: **Tahrir Jaber**, *UiT, Norway*

👤 Author: **Elin Merethe Oftedal**, *UiT, Norway*

Session 502

Thursday Sep 28 at 14:30-15:30, Room: B

The Role of R&D Leverage as Dynamic Capabilities in Performance Creation: Evidence from SEMs in Taiwan

👤 Author: **Tung-Shan Liao**, *College of Management, Yuan Ze University*

Bridging Innovation and Commercialization to Create Value: Open Innovation at the Industrial Technology Research Institute (ITRI)

👤 Author: **Delphine Wang**, *ITRI, Taiwan*

👤 Author: **Fred Phillips**, *Yuan Ze University*

Non-novel modes of technological innovation and firm performance: an empirical study

👤 Author: **Kieran O'Brien**, *UTAS, Australia*

Integrating Social Capital Theory with Technology Transfer Theory to Explore University-Industry Links – initial empirical evidence from Asian study

👤 Author: **Malgorzata Grzegorzczak**, *University of Lodz, Poland*

Session 503

Thursday Sep 28 at 14:30-15:30, Room: C

Linking University Intellectual Capital with Market Value – International Empirical Study

👤 Author: **Dariusz M. Trzmielak**, *University of Lodz, Poland*

Diversity in young manufacturing companies: Does cultural diversity in top management lead to better performance?

👤 Author: **Arho Suominen**, *VTT Technical Research Centre of Finland*

👤 Author: **Matthias Deschryvere**, *VTT Technical Research Centre of Finland*

👤 Author: **Nina Rilla**, *VTT Technical Research Centre of Finland*

👤 Author: **Juha Oksanen**, *VTT Technical Research Centre of Finland*

Structural Holes, State-owned Companies and Evolution of the Triple Helix System Based on the High - end Equipment Manufacturing Industry in China

👤 Author: **Jing Wang**, *Beijing Institute of Technology, IC2 Institute*

👤 Author: **Tao Wang**, *Beijing Institute of technology*

👤 Author: **David V Gibson**, *IC2 Institute*

Session 601

Thursday Sep 28 at 16:00-17:00, Room: A

Business meeting

Invitation only

Session 602

Thursday Sep 28 at 16:00-17:00, Room: B

Willingness to accept for the Vehicle-to-Grid (V2G) service using electric vehicles in Korea

👤 Author: **Chul-Yong Lee**, *Korea Energy Economics Institute*

👤 Author: **Min-Kyu Lee**, *Pukyong National University*

Spatial Characteristics of High-speed Railways View the Spatial Characteristics of metropolitan areas of mainland China -- Based on Social Network Analysis

👤 Author: **Qingmu Su**, *National Chengkong University*

👤 Author: **Chang, H. S.**, *National Chengkong University*

Session 603

Thursday Sep 28 at 16:00-17:00, Room: C

Resign a lucky draw service system by using QFD method and QR code technology

👤 Author: **Fang-Mei Tseng**, *Yuan Ze University*

👤 Author: **Ju-Yin Weng**, *National Taiwan University*

👤 Author: **Nien-Chu Wu**, *Service Science Technology Center, Industrial Technology Research Institute*

👤 Author: **Yu-Ying Huang**, *Service Science Technology Center, Industrial Technology Research Institute*

👤 Author: **Ying-Chih Lu**, *Service Science Technology Center, Industrial Technology Research Institute*

👤 Author: **Chi-Neng Liu**, *Service Science Technology Center, Industrial Technology Research Institute*

👤 Author: **Yi-Chang Wang**, *Service Science Technology Center, Industrial Technology Research Institute*

👤 Author: **Ya-Ting Huang**, *Service Science Technology Center, Industrial Technology Research Institute*

The effect of cause-related marketing on purchase intention of Electric Vehicle: Focused Study on Jeju Island in Korea

👤 Author: **Soomin (Simon) Shim**, *Sungkyunkwan University*

👤 Author: **Hyangmi Kim**, *KT (Korea Telecom)*

Optimal Product Sequence of Tool Performance to Support Industry 4.0 in Semiconductor Chemical Vapor Deposition

👤 Author: **Kuo-Yi Lin**, *Asia University*