## Conference Program

### 27th September (Wednesday)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:45</td>
<td>Registration and Coffee</td>
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<tr>
<td>09:00</td>
<td>Opening</td>
<td>David V. Gibson&lt;br&gt;- Chair of ICTPI International Committee, University of Texas at Austin&lt;br&gt;- Fred Y. Phillips&lt;br&gt;- Program Chair of ICTPI 2017, Yuan Ze University&lt;br&gt;- Grace Tseng&lt;br&gt;- Dean of the Office of Academic Affairs, Yuan Ze University</td>
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<tr>
<td>09:20</td>
<td>Plenary Speech</td>
<td>Yong-whan Nick Lee&lt;br&gt;- Professor in Fintech, CHA University&lt;br&gt;- Chin-Tay, Shih&lt;br&gt;- Speaker&lt;br&gt;- Professor of College of Technology Management &amp; Morris Chang Chair Professor, National Tsing Hua University&lt;br&gt;- Tseng-Ju, Hsu&lt;br&gt;- Discussant&lt;br&gt;- Deputy Director General of Hsinchu Science Park Bureau</td>
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<tr>
<td>10:00</td>
<td>Coffee Break</td>
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<tr>
<td>10:30</td>
<td>Experience Speech</td>
<td>Chin-Tay, Shih&lt;br&gt;- Speaker&lt;br&gt;- Professor of College of Technology Management &amp; Morris Chang Chair Professor, National Tsing Hua University&lt;br&gt;- Tseng-Ju, Hsu&lt;br&gt;- Discussant&lt;br&gt;- Deputy Director General of Hsinchu Science Park Bureau</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
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<tr>
<td>13:30-</td>
<td>Student Invention Demonstration</td>
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<tr>
<td>16:30</td>
<td>Student STEM Demonstrations</td>
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<tr>
<td>13:30</td>
<td>Parallel sessions</td>
<td>Session 101, 102, 103</td>
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<tr>
<td>14:30</td>
<td>Parallel Sessions</td>
<td>Session 201, 202, 203</td>
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<tr>
<td>Time</td>
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<tr>
<td>8:30</td>
<td>Registration and Coffee</td>
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<tr>
<td>9:00</td>
<td>Keynote Speech</td>
<td>Tomasz Arciszecoski, Professor Emeritus, George Mason University</td>
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<tr>
<td>10:10</td>
<td>Coffee Break</td>
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<tr>
<td>10:30</td>
<td>Plenary Speech</td>
<td>Robert Hodgson, Managing director of Zernike (UK)</td>
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<tr>
<td>11:10</td>
<td>Plenary Speech</td>
<td>Bill Nuttall, Professor in Energy, The Open University</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
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<tr>
<td>13:30</td>
<td>Parallel Sessions</td>
<td>Session 401,402, 403</td>
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<tr>
<td>14:30</td>
<td>Parallel Sessions</td>
<td>Session 501,502, 503</td>
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<tr>
<td>16:00</td>
<td>Parallel Session</td>
<td>Session 601,602, 603</td>
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<tr>
<td>18:00</td>
<td>Banquet</td>
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29th September (Friday)

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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<tbody>
<tr>
<td>8:30</td>
<td>Registration and Coffee</td>
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<tr>
<td>9:00</td>
<td>Keynote Speech</td>
<td>Arnould De Meyer, President, Singapore Management University</td>
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<tr>
<td>10:10</td>
<td>Coffee Break</td>
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<tr>
<td>10:30</td>
<td>Editor panel session</td>
<td>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</td>
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<tr>
<td>Time</td>
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<td>Presenter</td>
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<tr>
<td>12:00</td>
<td>Closing Remarks</td>
<td>Fred Y. Phillips</td>
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<td>Program Chair of ICTPI 2017, Yuan Ze University</td>
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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
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-Lang Tang, 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
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

Session 501
Thursday Sep 28 at 14:30-15:30, Room: A

Electricity Futures for Isolated Ocean Islands – Scenarios and System Dynamics

Climate Change and Sustainable Development in the Caribbean

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

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

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

Non-novel modes of technological innovation and firm performance: an empirical study
Integrating Social Capital Theory with Technology Transfer Theory to Explore University-Industry Links – initial empirical evidence from Asian study

Author: Malgorzata Grzegorczyk, 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