

ASIP 9th Conference - Technology and Innovation for SMEs

Venue: University of the Philippines Diliman, Quezon City

Date: 3 (Thu) - 5 (Sat) October, 2019

Contact: gsrecio@up.edu.ph; asip.society@gmail.com

- **Hosting**

Institute for Small Scale Industries, University of the Philippines Diliman (UP ISSI)

Korea Institute of Science and Technology Evaluation and Planning (KISTEP)

- **Operation** Asian Society for Innovation and Policy

Keynote Speakers

1. Technology for SMEs

Sec. Fortunato dela Peña (Secretary, Department of S&T, Philippines)

Prof. Ky-young Park (Former Presidential Advisor for S&T, Korea; Soonchon U)

Prof. Youngil Park (Former Vice Minister, Mistry of S&T; Ewha Womans U)

2. SME policies

Prof. Jung-wha Han (Former Minister, Ministry of SMEs, Korea; Hanyang U)

Dr. Ramon M. Lopez (Secretary, Department of Trade and Industry, Philippines)

Sessions

- **Regular Sessions 1, Technology Innovation**

- Moderator: Prof. Sujit Bhattacharya, AcSIR| Academy of Scientific & Innovative Research, India

1. Social innovation: a comparative analysis of the impact of IoT in Japan and Australia

Temitayo Shenkoya (Chungnam National University)

2. Interaction in R&D networks including SMEs: evidence from national R&D programs in Korea

Young Jun Kim (Korea University)

3. Causal relationship analysis between national R&D patents and technology trade: a focus on patent performances based on NTIS data

Soo-Hyun Park (University of Science and Technology), Sung-Uk Park (Korea Institute of Science and Technology Information), Jae-Soo Kim (KISTI)

4. Technology value hype curve

Sung-Soo Seol (Hannam University, Korea)

5. Analyzing the technological trend of UAV

Jeonghwan Jeon (Gyeongsang National University), Ganchimgee (GNU), Hussain(GNU)

• **Regular Sessions 2, MOT**

- Moderator: Prof. Linda Ting-Lin Lee, University of Kaohsiung, Taiwan

1. Study of correlation between diversity and type of skills for innovation management

Nomita Sharma

2. Managing reverse innovation in India - moving forward by going reverse

Nirmal Kundu (Sanskriti Univeisity, India)

3. Critical success factors of companies commercialising universities' R&D outputs: perspective of SMEs and large companies' management In Malaysia

Kok Chian Tam (International University of Malaya-Wales), Aik Lee Chong (Heriot-Watt University Malaysia), Angelina Seow Voon Yee (University of Nottingham Malaysia), Joel Kah Marn Tham (UCSI College)

4. Settlement methodology of alternative medical devices in harmony with traditional medicine

Heaok Jang (Happy L&B Yuseong), Jeong Jaeyeon (BISTEP), Jung Geunyoung (Happy L&B Yuseong) , Suwan Kim (Happy L&B Yuseong)

• **Regular Sessions 3, Economics of Technology**

- Moderator: Prof. Yutao Sun, Dalian University of Technology, China

1. Knowledge spillovers and technological converence: role of trade, FDI and absorptive capacity in technological productivity of Indian manufacturing sector

Ipsita Roy (Indian Institute of Technology Delhi)

2. Chinese SMEs outward foreign direct investiment

Ren Yong Chi, Daoxue Liu (Zhejiang University of Technology, China)

3. Open and closed innovation practices influencing economic performance through mediation of innovation performance and firm performance: evidence from Indian biotechnological firms

Sumukh S. Hungund (Manipal Institute of Technology, India)

4. The role of regional innovation systems in SME innovation & competitiveness

Bala Subrahmanya M H (Indian Institute of Science)

5. Some aspects of increasing the innovation activity of small business

Farkhod Djalilov (Tashkent State University of Economics, Uzbekistan)

- **Regular Sessions 4, Technology Policy**

- Moderator: Prof. Hong-Tak Lim (Pukyong National University, Korea)

1. The effect of tax credits for R&D expenditure policy on firms' R&D expenditure
Song Zhang Liu, Yutao Sun (Dalian University of Technology, China)
2. The impact of government subsidy on people's decision on purchasing an electric scooter-
a viewpoint of mental accounting
Yu-Yun Chang, Ting-Lin Lee (National University of Kaohsiung, Taiwan)
3. Developing entrepreneurship skills in biotech-based academic research teams: a case from
India
Gaurav Tikas (Indian Institute of Science)
4. Users/citizens and transformative innovation policy: critical review on the frameworks of
innovation system
Hong-Tak Lim (Pukyong National University, Korea)
5. Innovation through public procurement: a case of fusion energy technology in Korea
Ki-Seok Kwon, (Hanbat National University, Korea)

- **Special Session 1, Entrepreneurship Education for SMEs**

- UNESCO Entrepreneurship Education Network

- Moderator: Prof. Rolando Ramon Diaz, UP ISSI, Philippines

1. Paz H. Diaz (Small Enterprises R&D Foundation (SERDEF), Philippines)
2. Exploring Educational Institutions for Transformational Leadership Training for
Entrepreneurs
Aliza D. Racelis (University of the Philippines)
3. Entrepreneurial Marketing Practices of Microentrepreneurs in Muntinlupa City
Mary Rose Palmares (Polytechnic University of the Philippines)
4. Towards a Kantian Business and Entrepreneurship Curriculum of Ends
Rose Nonette Capadosa (MPA, MAEd, LPT, UP Diliman, Philippines)

- **Special Session 2, Regional Innovation system for SMEs**

- Moderator: Prof. MH Bala Subramanya, IISc, India

- **Special Session 3, Technology Adoption of SMEs**

- Moderator: Prof. Angelina Yee, Nottingham University, Malaysia

- **Special Session 4, Policies for SMEs and Startups**

- Moderator: Prof. Jong-in Choi, Hanbat National University, Korea

- **Special Session 5, S&T Networks for South & North Korea with ASEAN**

- Moderator: Dr. Young Joo Ko, Korea

- **Special Session 6, Innovation for Circular Economy**

- Moderator: Prof. Mohan Avvari, Nottingham University, Malaysia

- **Special Session 7, Evaluation of Korean Policy for the 4th Industrial Revolution**

- Moderator: Prof. Chan-Goo Yi, Chungnam National University, Korea

1. Introduction and Research Framework

Chan-Goo Yi (Chungnam National University, Korea)

2. Core Technology R&D Policy

Young-Joo Ko (Korea Research Institute of Chemical Technology, Korea)

3. Human Resources Development policy

Janghoon Kim (Chungnam National University, Korea)

4. Policy for the Protection and Utilization of Personal Information

Byung-Sang Hwang (Korea Basic Science Institute, Korea)

The 5th Asian Innovation Forum

- Forum of government agencies for S&T planning and management in Asia

- Organizer; Korea Institute of Science and Technology Evaluation and Planning (KISTEP)

Hyun, Byung-Hwan, Daejeon University (ASIP) - October 4th 14:00-18:00

- **Government Session 1: Future of SME & Startup Ecosystem**

- **Chair: Prof. Rupinder Tewari, India**

1. Future of startup ecosystem

Dr. Hyun Yim, KISTEP, Korea

2. Innovation analyses using R&D university startup database

Mr. Hideyuki Tsunoda, NISTEP, Japan

3. Taiwan innovation and entrepreneurship ecosystem

Dr. Yi-Dan Huang, STPI, Taiwan

4. BIRAC - a successful PPP model for stimulating innovations (SMEs)

Dr. Rupinder Tewari, DST-CPR, India

5. Examining the mechanism and pathways for startups in India- lessons for the future ecosystem
Dr. Avinash Prasad Kshitij, NISTADS, India
6. Q&A and discussion

• **Government Session 2: National R&D Investment: Its Adequacy and Implementation**

- **Chair: Dr. Jang-Jae Lee, KISTEP**

1. R&D investment and its impact on technology development in Asia and other countries
Dr. Mohsin Khan, ZSF, India
2. An analysis on the optimal ratio of R&D investment using multiple imputation
Dr. Ikcheon Um, KISTEP, South Korea
3. The innovation service system for SMEs based on innovation voucher
Dr. Xiyi Li, CASTED, China
4. R&D investment in India: analyzing trends and focus
Dr. Kasturi Mandal, NISTADS, India
5. Stimulating R&D investments in Russian state-owned companies
Dr. Mikhail Gershman, HSE, Russia
6. Q&A and discussion

Students Contest: Technology and Innovation for SMEs

- Speaker: Prof. Chi Renyong, Institute of SMB Zhejiang University of Technology, China
- Nationwide contest for Filipino college students or 2019 graduates
- Certificates and Cash Awards for 1st, 2nd and 3rd (USD 250, 150, 100)
- Moderator: Prof. Aleli Bawagan, Director, ISSI, UP Diliman

Tutorial Session: Tools for Scientometric Analysis

- Moderator: Prof. Ki-Seok Kwon, Hanbat National University
- Time/place: October 5 (Saturday), 09:00-13:00, ISSI lecture room
- Softwares for paper and patent analysis and visualization
 1. VOS viewer: constructing and visualizing bibliometric networks
 2. Knowledge matrix plus: constructing and visualizing papers and patents
- USD 20 for lecture materials and experiment

General Notice

Presentation

- Freestyle, Deadline extension until 19 September.

Award for Best Papers (Full paper only)

- Recommend publication in SCI/SSCI journals
- Financial supports for the publication in Asian Journal of Innovation and Policy

Registration

- On-site registration (Students half; prior registration 15% discount)

- ✧ USD 400 from GDP over USD 20,000
- ✧ USD 300 from GDP over USD 10,000-20,000
- ✧ USD 200 from GDP below USD 10,000

Venue

- Main hotel: Microtel by Wyndham UP Technohub (10 mins walking to conference)
- Opening ceremony: National College of Public Administration and Governance (250m from ISSI)
- Main event: Institute for Small Scale Industries (ISSI), U of the Philippines, Diliman

Local Organizing Committee

Chair: Prof. Fidel Nemenzo, Vice Chancellor, University of the Philippines Diliman

Prof. Aleli Bawagan, Director, Institute for Small Scale Industries, UPD

Secretariat: Ms. Gloria Recio, ISSI, UP Diliman

Conference Committee

Chair: Prof. Jeonghwan Jeon (jhjeon@gnu.ac.kr)

Dr. Mi-Young Park, Korea Science Policy Platform Co-op.

Secretariat: Ms. Eunja Shin, ASIP (asip.society@gmail.com)

ASIP Steering Committee

Chair: Sung-Soo Seol_Hannam University_Korea Valuation Association

MH Bala Subramanya_Indian Institute of Science_India

Mohan Avvari_NottingHam University Business School_Malaysia

Young Joo Ko_Korea Research Council of S&T_Korea

ASIP Board Members

Chair: Seeram Ramakrishna_National University of Singapore_Singapore

Ki-Seok Kwon_Hanbat National University_Korea

Yoshitoshi Tanaka_Tokyo Institute of Technology_Japan

Angelina Yee_Nottingham University Malaysia_Malaysia

Pravit Khaemasunun_Thammasat U_Thailand

Jeong Hyop Lee_IDNP Innovation & Development Partners_Korea

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October 2 Wednesday – Reception (Microtel by Wyndham UP Technohub)

18:00	ASIP Board/Steering Committee Best Paper Review Committee Reception & Registration
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October 3 Thursday

08:30-09:00	Registration (National College of Public Administration and Governance, UP Diliman)	
09:00-09:10	Welcome address National College of Public Administration <i>Moderator: Fidel R. Nemenzo, Vice Chancellor for R&D</i> Dr. Michael L. Tan, UP Diliman Chancellor Prof. Sung-Soo Seol, President, ASIP	
09:10-10:40	Keynote Speeches_Rm.000 Sec. Fortunato dela Peña, Secretary, Department of S&T, Philippines Prof. Ky-young Park, Former Presidential Advisor for S&T, Korea; Soonchon U Prof. Youngil Park, Former Vice Minister, Ministry of S&T; Ewha Womans U	
10:40-11:00	Coffee break	
11:00-12:00	Keynote Speeches_Rm.000 Prof. Jung-wha Han (Former Minister, Ministry of SMEs, Korea; Hanyang U) Dr. Ramon M. Lopez (Secretary, Department of Trade and Industry, Philippines)	
12:00-13:30	Lunch (ISSI, UP Diliman)	
13:30-15:30	RS 1 Technology Innovation _Rm.000 <i>Moderator: Prof. Sujit Bhattacharya, India</i>	RS 2 MOT_Rm.000 <i>Moderator: Prof. Linda Ting-Lin Lee, Taiwan</i>
15:30-15:50	Coffee break	
15:50-18:00	RS 3 Economics of Technology _Rm.000 <i>Moderator: Dr. Yutao Sun, China</i>	RS 4 Technology Policy_Rm.000 <i>Moderator: Dr. Young Joo Ko, Korea</i>
18:30-20:30	Banquet-Hosted by UP Diliman	

October 4 Friday (ISSI, UP Diliman)

09:00-12:30	SS1 Entrepreneurship Education for SMEs _Rm.000 <i>Moderator: Prof. Rolando Ramon Diaz, Philippines</i> <i>Presenter: Paz H. Diaz PhD, Philippines</i>	SS2 Regional Innovation System for SMEs_Rm.000 <i>Moderator: Prof. MH Bala Subramanya, India</i>
	SS3 Technology Adoption of SMEs _Rm.000 <i>Moderator: Prof. Angelina Yee, Malaysia</i>	SS4 Policies for SMEs and Startups_Rm.000 <i>Moderator: Prof. Jong-in Choi, Korea</i>
	SS5 S&T Networks for South & North Korea with ASEAN_Rm.000 <i>Moderator: Young Joo Ko, Korea</i>	SS6 Innovation for Circular Economy <i>Moderator: Prof. Mohan Awvari, Malaysia</i>
	SS7 Evaluation of Korean Policy for the 4th Industrial Revolution <i>Moderator: Prof. Chan-Goo Yi, Korea</i>	
12:30-14:00	Lunch	
14:00-15:40	GS 1 Future of SME & Startup Ecosystem_Rm.000 <i>Moderator: Dr. Rupinder Tewari, India</i>	
15:40-16:10	Coffee break	
16:10-17:50	GS 2 National R&D Investment: Its Adequacy and Implimentation_Rm.000 <i>Moderator: Dr. Jangjae Lee, Korea</i>	
18:00-20:30	Banquet- Hosted by KISTEP	

October 5 Saturday (ISSI, UP Diliman)

09:00-13:00	Students Contest Technology and Innovation for SMEs <i>Moderator: Prof. Aleli Bawagan, Philippines</i> <i>Speaker: Prof. Chi Renyong, China</i>	Tutorial Session: Tools for Scientometric Analysis <i>Moderator: Prof. Ki-Seok Kwon, Korea</i>	Local Tour
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