

# 2017 Global Commercialization Conference and Workshop

Development  
of Leading-edge  
Model Based on  
Market Demand &  
Innovative Ecosystem

**July 12th (Wed) ~ 14th (Fri), 2017**

KAIST E4 Fusion Hall, N22 Lee Minhwa Hall  
Daejeon, Korea

• Hosted by  Ministry of Science, ICT and Future Planning  한국과학기술원 • Organized by  GCC  ITPP  CTP  SS SeShin Patent & Law Firm

• Sponsored by  IITP  KIAT  ETRI  한국과학기술연구원  KIMS Korea Institute of Materials Science  KST 한국과학기술진흥원  DVP Daewon Venture Partners LLC

# Welcoming Message

On behalf of the Organizing Committee for 2017 Global Commercialization Conference and Workshop, I am pleased to organize this event and be honored to invite you.

Increasing emphasis on global technology commercialization builds up considerably as we move further into the 21st century. Technology transfer and commercialization is one of the keys to establish economic development with industry and to accelerate the national competitiveness. To commercialize technology internationally, it is required to have strategic ways of access to profound intellectual resources. Therefore, global cooperative network will play a vital role to drive better achievement. With regard to creating international joint efforts, it is crucial to take part in each stage from a nation's governmental level to levels of research institutes, industrial and academic communities.

The conference and workshop will be held under the theme of "Global Commercialization for Development of Leading-edge Model Based on Market Demand and Innovative Ecosystem" on July 12th to 14th in KAIST Daejeon, Korea. In conference, there are sessions to look into the strategies and the action plans for global cooperative network for technology commercialization. During the workshop sessions, practical acknowledgement and discussions are to be presented by international and domestic experts in technology transfer, co-research project, and the ways of collaboration.

Since this event brings all the cooperative partners together – from government representatives, R&D researchers, and industry partners, your participation will be considered countlessly valuable in terms of drawing relationship of international cooperation.

We look forward to having opportunities to build mutually beneficial relationship through this meaningful event. Also we appreciate all the speakers and participants, domestic and international, for taking time out to attend and to support this event. Thank you

**Prof. Jae Jeung Rho**  
Chairman of the Organizing Committee

## Members of the Organizing Committee

Chairman	Prof. Jae Jeung Rho Director of KAIST ITTP (Global IT Technology Program)	Korea Advanced Institute of Science and Technology (KAIST)
Members	Prof. YoungDuk Park General Manager of KAIST GCC	Korea Advanced Institute of Science and Technology (KAIST)
	Ph.D Jong Heung Park Executive Director at R&D commercialization Dept	Electronics and Telecommunications Research Institute (ETRI)
	Mr. Edward Z. Kim Chief at Technology Commercialization Team	Korea Institute of Energy Research (KIER)
	Ph.D Chang Hi Park Director of Technology Marketing Dept	Korea Institute of Materials Science (KIMS)
	Mr. Mark Ryoo Senior Manager at Investment Strategy Division	Korea Science & Technology Holdings (KST)

# Program of Conference

## July 12th, Wed 2017

at KAIST N22 Lee Minhwa Hall / E4 Fusion Hall

9:00 – 9:30	Registration – at KAIST N22 (Alumni Chang-eop Gwan) Lee Minhwa Hall
<b>The Way Ahead I: Technology Commercialization and International Cooperation</b>	
9:30 – 11:30	<ul style="list-style-type: none"> <li>- Mr. Deuk Jung Kim, Vice President of National IT Industry Promotion Agency (NIPA), "ICT Co-Development Programs of NIPA"</li> <li>- Mr. Sang Keon Lee, Senior Research Fellow of Infrastructure Policy Research Center in Korea Research Institute for Human Settlements (KRIHS), "Proposal for Promoting Global Smart City Development"</li> <li>- Mr. Kiyoungh Ko, Vice President of KT, "Current Status of KT Consulting Business and Case Study"</li> <li>- Mr. Yoon-Seok Ko, Director of National Information Society Agency (NIA), "ICT Convergence Policy in Korea – The Creative Vitamin Project"</li> <li>- Mr. Sung Won Cho, Group Leader of POSCO ICT, "Total Energy Optimization &amp; Electric Vehicle Charging System"</li> </ul>
11:30 – 13:00	Lunch
<b>Opening Ceremony</b>	
13:00 – 13:30	Registration – at KAIST E4 (KI Building) Fusion Hall
13:30 – 14:00	<ul style="list-style-type: none"> <li>- Opening Address: Mr. O Ok Park, Provost and Executive Vice President of KAIST</li> <li>- Congratulatory Message1: Mr. Jae-ung Bae, R&amp;D Outcome Policy Bureau Director-General of Minister of Science, ICT and Future Planning (MSIP)</li> <li>- Congratulatory Message2: Ms. Emma-Françoise ISUMBINGABO, Ambassador of the Republic of Rwanda</li> </ul>
14:00 – 14:20	Memorandum of Understanding (MOU) Signing Ceremony & Group Photo - KAIST GCC Regional Hub – Brazil (WTC Sao Paulo), Bulgaria (JA Bulgaria & The Edge), Oman (Oman Tech Fund & Sharakah), Paraguay (SHERPA Ventures), Romania (Matrix Business Consulting), Uruguay (ANII)
<b>Keynote Speech</b>	
14:20 – 15:40	<ul style="list-style-type: none"> <li>- Mr. Dongmyun Lee, CTO of KT, "Energy ICT - Convergence in the 4th Industrial Revolution Era"</li> <li>- Mr. Minor Molina Murillo, Mayor of Grecia Local Government, Costa Rica</li> </ul>
15:40 – 16:00	Coffee Break
<b>The Way Ahead II: Technology Commercialization and International Cooperation</b>	
16:00 – 18:00	<ul style="list-style-type: none"> <li>- Prof. YoungDuk Park, General Director of KAIST GCC, "KAIST GCC: Strategy, Process and Case Studies"</li> <li>- Mr. Petko Ruskov, Academic Programs Director of Junior Achievement Bulgaria, Bulgaria</li> <li>- Mr. Vinicius Lages, Director of Administration and Finance of Brazilian Micro and Small Business Support Service (SEBRAE), Brazil</li> <li>- Mr. Didier Nkurikiyimfura, Head of Technology and Innovation at Smart Africa Alliance, Rwanda</li> <li>- Mr. Norberto Cibils, Director and Representative of the Productive Sector in National Agency of Research and Innovation (ANII), Uruguay</li> <li>- Mr. Yousuf Al Harthy, CEO of Oman Tech Fund, Oman</li> <li>- Mr. Raúl Crudele, Vocal Member of the Board of Directors at Argentine Chamber of Internet (CABASE), Argentina</li> </ul>
18:00 – 20:30	Welcoming Dinner

# Program of Workshop | Day 1

**July 13th, Thu 2017**

at KAIST N22 (Alumni Changeop Gwan) Lee Minhwa Hall

8:30 – 9:00

Registration

## Workshop Session 1

### Energy ICT – Innovative Technologies and Future Cooperation Opportunities

9:00 – 13:00

- Mr. Edward Z. Kim, Chief of Technology Commercialization Team at KIER, "Intro to KIER -Technology Commercialization Overview"
- Ms. Sun-Hwa Yeon, Principal Researcher at KIER, "ESS (Energy Storage System) – Redox Flow Battery"
- Mr. Kihwan Kim, Principal Researcher at KIER, "Next Generation Solar Cell Technologies at KIER"
- Mr. Se-Joon Park, Senior Researcher at KIER, "Low Rank Coal Utilization Technologies at KIER"
- Mr. Sihyun Lee, Principal Researcher at KIER, "CombDry – Coal Upgrading Technology"
- Mr. Ilwoo Lee, Director of Energy IT Technology Research Section at ETRI, "ETRI Microgrid Test Bed Development"
- Mr. Sangdon Park, Dept of Electrical Engineering at KAIST, "Introduction to Energy Trading and Global Trends"
- Mr. Donghun Kho, Vice President of Dong Yang E&P, "Potential of Household Solar PV Market on Developing Countries"
- Mr. Jungho Ryu, Principal Researcher at KIMS, "Magnetic Energy Harvester with Magnetoelectric Composite"
- Mr. Fernando Hentzschel, Technological Development Director – Technological Capabilities Division at Chilean Economic Development Agency (CORFO), Chile
- Ms. Nyamtsetseg Ivanov, Shallow Ground Heat Pump and Solar Research and Calculation Senior Engineer of National Renewable Energy Center (NREC), Mongolia
- Mr. Nicolas Caballero, CEO of SHERPA Ventures, Paraguay

13:00 – 14:30

[Lunch and Move to Field Trip](#)

## Workshop Session 2

### Smart City – Innovative Technologies and Future Cooperation Opportunities

14:30 – 18:00

- Field Trip to Smart City in Sejong, Korea Land and Housing Corporation
  - City Integrated Operation Center, Water Quality Restoration Center, and Auto Clean Net
- Field Trip to Smart Farm in Gimje, Jeonbuk Agriculture Technology Education Center (JATC)
  - Greenhouse with ICT based Climate Control System, Irrigation System, Geothermal System

# Program of Workshop | Day 2

**July 14th, Fri 2017**

at KAIST N22 (Alumni Changeop Gwan) Lee Minhwa Hall

8:30 – 9:00 Registration

**Workshop Session 3**
**Smart Farm – Innovative Technologies and Future Cooperation Opportunities**

- 9:00 – 11:30
- Mr. Hyonyoung Han, Researcher at ETRI, "ICT Enabled Smart Factory Testbed and FaaS (Factory as a Service) IoT Platform"
  - Mr. Hyunsoo Kim, Director of Korea Agriculture and ICT, "KAIU (Korea Agriculture Industrial Unit): Making One Brand One United"
  - Mr. Jaeyoung Kim, Principal Researcher at ETRI, "Total Solution-Based Technology for Smart Farm based on Standard"
  - Mr. Jae Wook Jang, Executive Director at Shinhan A-Tec / Ms. Su-Jin Youn, Senior Researcher at ETRI, "South Korea's Hydroponic Cultivation Method and Overseas Cooperation Plan"
  - Mr. Narantsogt Baatarhuyag, Board Member of Mongolian e-Government Center (MeGO), Mongolia
  - Mr. Danucha Isarankura, Manager of Innovation and Technology Assistance Program (iTAP), Thailand
  - Mr. Arthit Pasukyued, Acting IT Director of NetBay Public Company Limited, Thailand

11:30 – 13:00 Lunch

**Workshop Session 4**
**Investment & Incubating – Innovative Technologies and Future Cooperation Opportunities**

- 13:00 – 16:30
- Mr. Mark Ryoo, Manager at KST, "KST Investment Portfolio Introduction"
  - Ms. Eun Jeong Oh, Manager of Daejeon Center for Creative Economy & Innovation (DCCEI), "Introduction of DCCEI"
  - Ms. Ae Ra Kwon, Manager of Daedeok Venture Partners LLC (DVP), "Introduction to DVP"
  - Prof. Jong In Choi, CEO of Hanbat Holdings, "Incubation Management Algorithm and Process"
  - Mr. Sérgio Frota, CEO of World Trade Center (WTC) Sao Paulo, Brazil
  - Mr. Dinkar Kishor, Deputy General Manager of Sharakah, Oman
  - Mr. Zoltán Somodi, General Manager at Matrix Business Consulting, Romania

16:30 – 18:00 Business Meetings for Global Technology Commercialization

18:00 – 20:30 Closing Ceremony &amp; Farewell Dinner

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Market Demand & Innovative Ecosystem



The conference and workshop will be held at  
**KAIST, Daejeon.**

- **Conference:** KAIST E4 (KI building) Fusion Hall
- **Workshop:** KAIST N22 (Alumni ChangeopGwan)  
Lee Minhwa Hall

<http://www.kaist.ac.kr/camtour/en/index.html>

291 Daehak-ro, Yuseong-gu, Daejeon, Korea 34141  
+82 42-350-7153



**KAIST** Global Commercialization Center