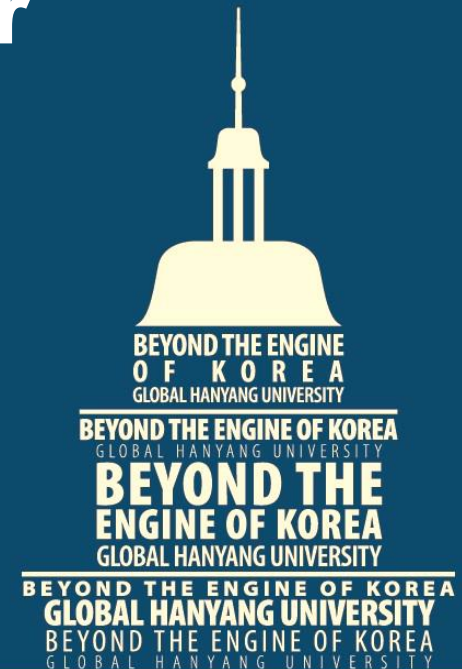


HANYANG UNIVERSITY ERICA

Global Innovation Cluster Center

Nov.2021





Hanyang University

Hanyang's Achievements

Asia

Seoul Campus **3rd** ERICA Campus **10th**
2019 Joong-Ang Daily University Rankings

Nationwide

Ranked **1st**
for the 2nd consecutive year

2019 Korea Economic Daily's Employment-
Start up University Assessment

Ranked **24th**

2019 QS Asian University Rankings



Ranked **38th**

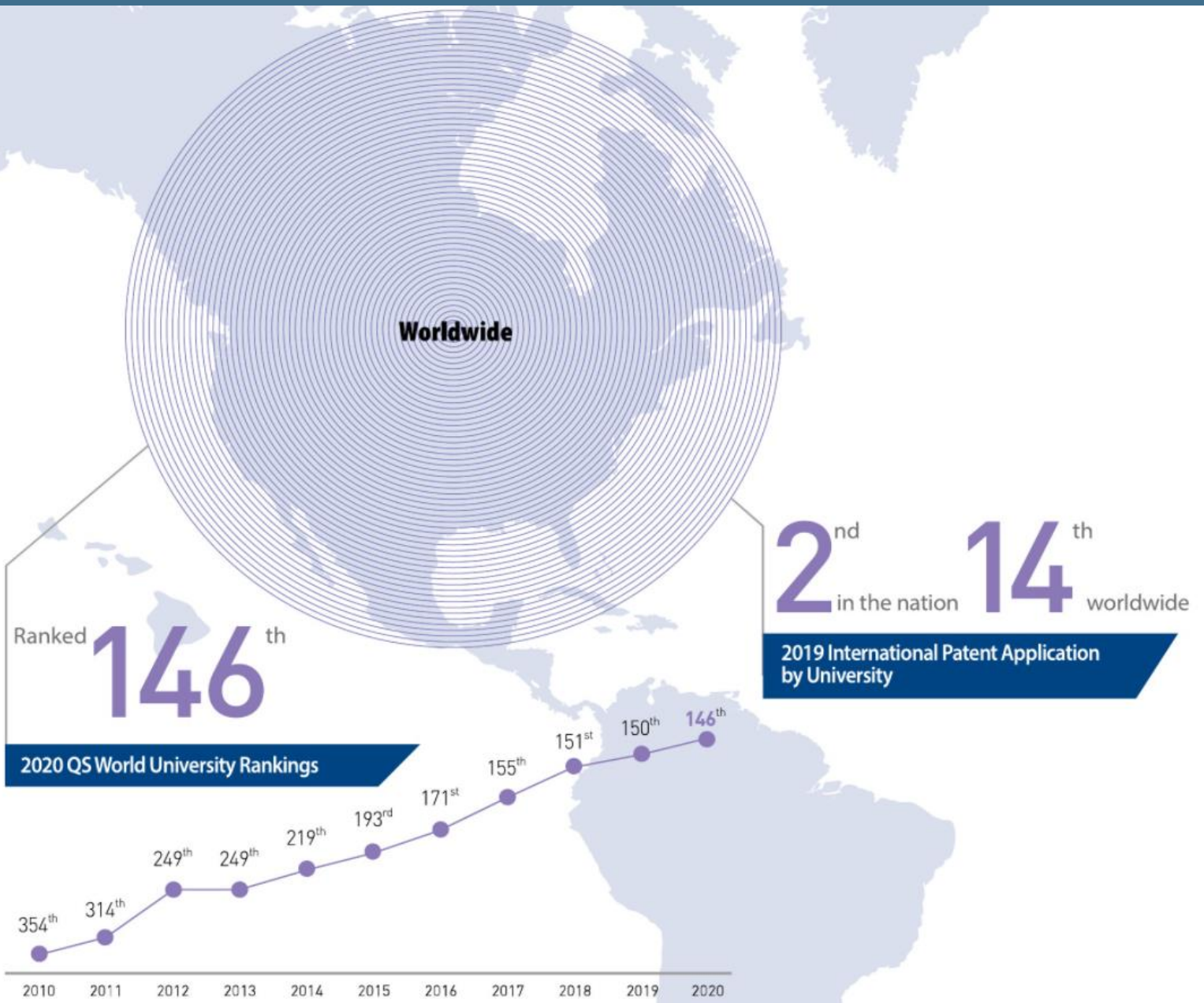
2020 THE Asia University Rankings

Best universities

for 4 consecutive years

2019 Dong-A Ilbo Youth Dream University
Assessment

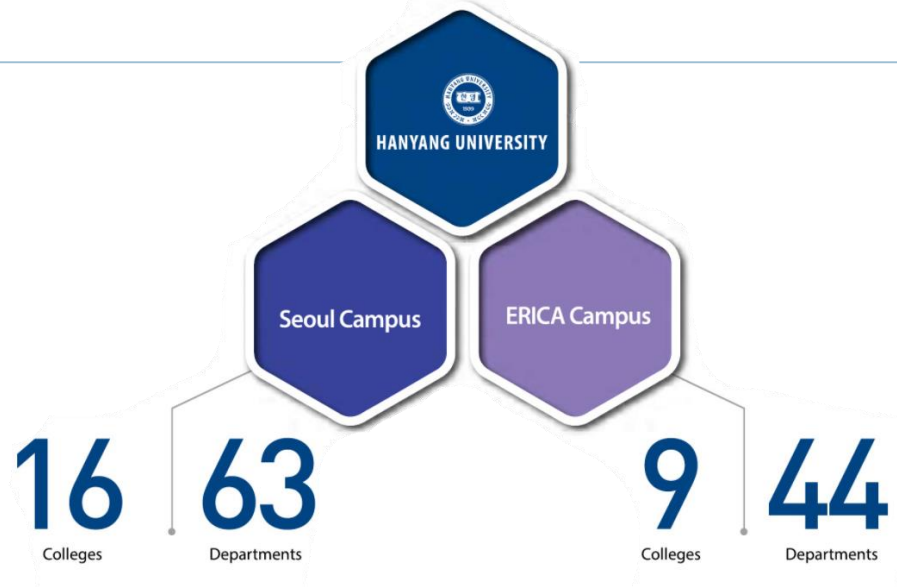
Hanyang's Achievements



Rankings & Numbers

Undergraduate schools

As of January 2020



Graduate Schools



Institutions



Rankings & Numbers

Members

33,090

Registered Students

5,187

Faculty Members

333,196

Total Alumni



22,628

Seoul Campus

10,462

ERICA Campus

15,709

Undergraduates

9,176

Undergraduates

6,919

Graduate Students

1,286

Graduate Students

3,715

Seoul Campus

1,472

ERICA Campus

3,127

Professors

1,237

Professors

588

Staff members

235

Staff members

260,911

Seoul Campus

72,285

ERICA Campus

As of January 2020

Budget & Campus Size

Financial budget

KRW **673.2** billion

Seoul Campus

KRW **324.2** billion

ERICA Campus

the Settlement of Accounts for 2019

Campus size

401,729 m²

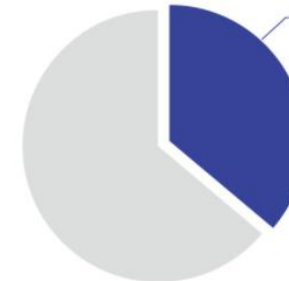
Seoul Campus

1,117,828 m²

ERICA Campus

As of 2019

Scholarships



Ratio of scholarships to tuition fees

37.6 %

Total tuition fees

KRW **312.0** billion

Total scholarships

KRW **117.4** billion

(Seoul & ERICA Campus)



Introduction of Global Innovation Cluster Center

Introduction

Vision

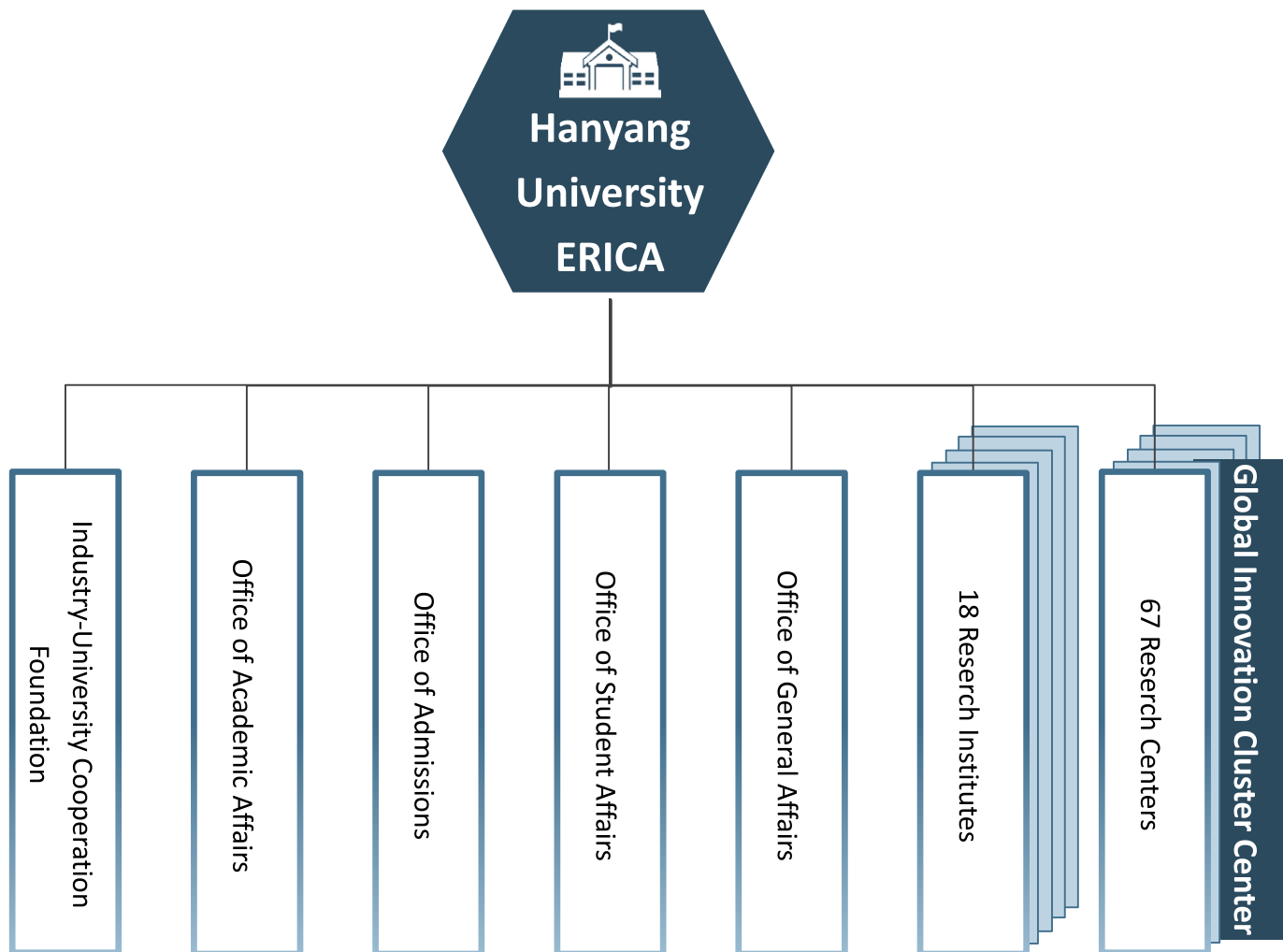
Contributing to the Establishment of
Industry-University Cooperation Ecosystem

Cultivating practical global talent and promoting practical global researches
Leading the excellent research achievements diffusion model

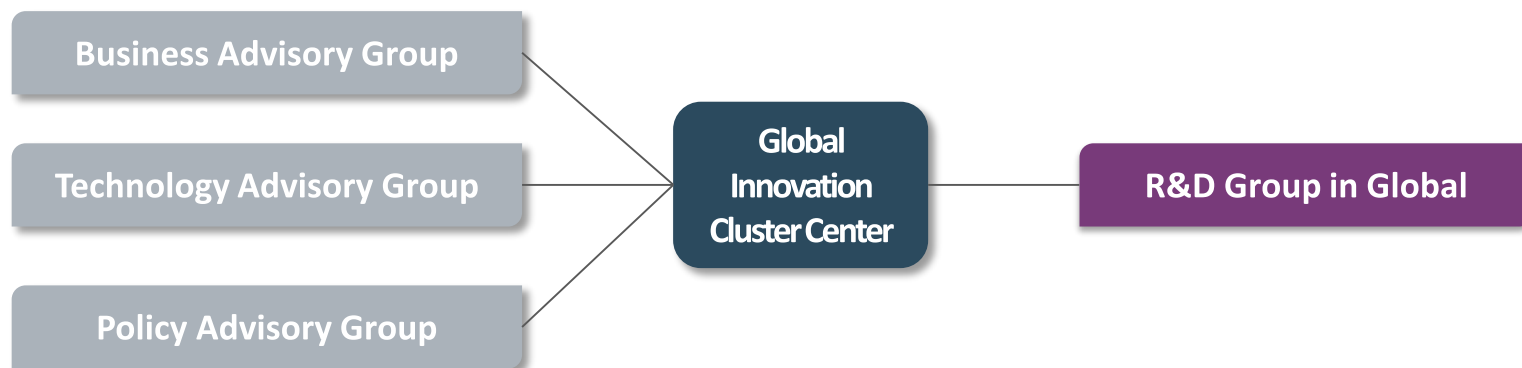
Mission

- To analyse the global research ability of Hanyang University
- To maintain a sustaining research environment for the University's research standing
- To establish cooperative network between government research institutes
- To create business models for government organizations/research institutes
- To develop a marketing strategy and create a marketing content

Organization



Global Innovation Cluster Center



Bonghoon KIM	Director	Ph.D. in International Economics	Business & Strategic Planning
John PARK	Senior Fellow	Ph.D. in Computer Science	Global – US(Eastern)
Myongho JEONG	Fellow	MS in Chemistry & Biochemistry	Global - US(Western)
Hyemi HWANG	Fellow	Ph.D.in Aerospace Engineering	Global - Europe
Duksun YUN	Fellow	Ph.D. in Automotive Engineering	Technology Advisor
Youngkyo SEO	Fellow	Ph.D. in Marine Geology	Technology Advisor
Jaeseung Lee	Senior Researcher	MS in Technology Management	Establish strategy for overseas expansion
Chaerin LEE	Senior Researcher	BA in Public Administration	Establish strategy for overseas expansion
Jisu KIM	Researcher	BA in Culture Contents	Business & Administration

Profile of Director

Bonghoon, KIM



Education

University of Florida, Ph.D in international Economics

University of Florida, MA in Economics

Career

Current)

Director, Global Innovation Cluter Center

CEO, MAXtin Global Co., Ltd

Research Professor at Hanyang University ERICA

Director, Indian Institute

Former)

POSCO Research Institute, Economist

Advisor at Korea Institute of Science & Technology Evaluation and Planning (KISTEP)

India-Expert at National Economic Advisory Council for President

Project

PM

National Innovative Cluster Development project

R&D Cooperation consulting of Sensor Research between Korea and Florida, USA

Business model for SBAS(Satellite Based Augment System), National research project

National strategy project for Sustainable Smart City R&D

Business model application for Supercomputing R&D

Advisory Committee

Planning Project for Korea GNSS system

IoT application national project

Application of Autonomous vehicle

SBAS R&D Project

List of Global Projects

2021 [Project for National Innovation Cluster of E-mobility \(Gyeongbuk Province\)](#)

[Planning on the Development of the Safety Improvement Technology for School Bus in Korea \(Korea Transportation Safety Authority\)](#)

Analysis of current status of coastal exploration technology based on unmanned marine platform and feasibility of cluster operation

Research service for analyzing the economic ripple effect and contribution of the blockchain industry

Planning service for building a new energy material industrialization platform

2020 [Project for National Innovation Cluster of E-mobility \(Gyeongbuk Province\)](#)

[Project for National Innovation Cluster of Aerospace material/parts \(Gyeongnam Province\)](#)

[Planning on the Development of the Safety Improvement Technology for School Bus in Korea \(Korea Transportation Safety Authority\)](#)

Research service on the demonstration and spread of artificial intelligence technology and service in the region

Investigation and analysis of ICT and artificial intelligence convergence status in domestic/foreign industries

Next-generation future automobile BMS infrastructure construction service

KASS operation consignment related legal system research and satellite navigation information service requirements survey service

Research service for the expansion of regional bases in the field of artificial intelligence

R&D and strategy establishment service for the establishment of the foundation for the nuclear-nuclear decommissioning industry

Cultural tourism convergence IoT sensor technology development and ecosystem creation service

List of Global Projects

2019 [Project for National Innovation Cluster of E-mobility \(Gyeongbuk Province\)](#)

[Overseas cases analysis and overseas companies demand survey \(Ulsan Development Institute\)](#)

Regional automobile industry diversification research service

Tourism IoT Smart Sensor Specialization Construction Service

Economic analysis service according to the trend of technological change in the blockchain market

Information security technology market analysis and research service for the protection of hyper-connected infrastructure

2018 [Project for National Innovation Cluster of E-mobility \(Gyeongbuk Province\)](#)

[Domestic Application Research of SBAS\(Satellite Based Augmentation System\) \(Hanyang University\)](#)

[Analysis of Production Network to Enter ASEAN in Korea Business Service Sector \(KIET\)](#)

Korean satellite navigation system preliminary feasibility planning research service

Open Smart Parts 4.0 Pre-Feasibility Planning Report

Economic Analysis Report of Intelligent IoT Linked Digital Twin Platform and Services

Hypertube (HTX) socio-economic ripple effect research and analysis

Smart Parts 4.0 R&D Economic Feasibility and Impact Report

List of Global Projects

2017 [A Preliminary Study on Smart Sensor R&D and Test-bed Implementation \(KRISS\)](#)

[Business Planning of the Electrical Vehicle Tuning Ecology Invigoration \(TS Korea Transportation Safety Authority\)](#)

[Preliminary Research for Applying TRA of National R&D Programs related to the 4th Industrial Revolution \(KISTEP\)](#)

[Developing R&D through Global Research Capability Analysis \(Hanyang University\)](#)

Electric remodeling technology development trend and feasibility study service

Future mobile smart parts R&D and test bed establishment Economic feasibility analysis

Study on SBAS utilization and expansion plan (3rd)

Economic analysis research service for establishing mid- to long-term strategies for building a domestic blockchain ecosystem

2016 [Management global research and development costs through global research capability analysis \(Hanyang University\)](#)

[Sensor Cluster Project in Gyeongnam Province](#)

Smart Textile Technology Trend Analysis

High-performance computing utilization scenario development and ripple effect analysis

Trend and Feasibility Analysis of Sustainable Smart City Integrated Model Implementation

Activity

Networking

-
- | | |
|-------------|--|
| 2021 | <ul style="list-style-type: none">• Networking with the Singapore Embassy• Networking with the Canada Embassy• Networking with the British Embassy |
|-------------|--|
-
- | | |
|-------------|---|
| 2020 | <ul style="list-style-type: none">• Meetings for National Innovation Cluster of E-mobility• Meetings for National Innovation Cluster of Aerospace material/parts |
|-------------|---|
-
- | | |
|-------------|---|
| 2019 | <ul style="list-style-type: none">• Networking with Czech Embassy, Czech• Networking with TACHO, Vietnam• Networking with Blink, USA• Networking with University of Florida, USA• Networking with San Jude University, Brazil• Networking with ICA, France• Networking with Madrid Cluster, Spain• Networking with Electric Vehicle Council, Australia• Networking with Fonzarelli Bikes, Australia• Networking with Charge Smart, New Zealand• Networking with EECA, New Zealand• Networking with Jackson, New Zealand• Networking with GVI, New Zealand |
|-------------|---|
-

Activity

Networking

-
- 2018**
- Networking the Unmanned Ship Research Center at University of Florida
 - Networking the University of Melbourne, Australia – Sensor Technology in Sports Convergence Industry
-

- 2017**
- Networking Research Centers at California Institute of Technology, USA
 - Networking Einthoven, Netherland, Dublin-NCSR,Ireland
 - Networking Fraunhofer, Germany and Grenoble, France
 - Networking CENSIS, Scotland and Ireland
 - Networking at Bio-nano Lab, IIT(Indian Institute of Technology), India
 - Networking at Bio-nano Lab, IIT(Indian Institute of Technology), India
 - Networking at International Relation for Science Technology, Thai
 - Meetings at CES at Las Vegas, USA
 - Meetings at KISTEP (Korea Institute of Science & Technology Evaluation and Planning)
 - Meetings at KISTEP (Korea Institute of Science & Technology Evaluation and Planning)
-

- 2016**
- Meetings at Ministry of Science, ICT and Future Planning, Ministry of Trade, Industry and Energy
 - Meetings at KICET(Korea Institute of Ceramic Engineering and Technology)
 - Meetings at KIMS(Korea Institute of Materials Science)
 - Meetings at LH(Korea Land & Housing Corporation
 - Delegation from Florida, USA networking Korea
 - Meetings at National Assembly Research Service
 - Meetings at ETRI(Korea Electronics and Telecommunications Research Institute)
 - Korean Delegation networking Orlando, Florida
 - Meetings at China Europe International Business School
 - Networking at Florida Sensor-Semiconductor Research Lab
-

Activity

Hold a seminar

-
- 2021**
 - FDI Inflow, Outflow and Joint R&D Support
 - Trade and Cooperation Plan of EV Industry
 - Joint R&D Seminar ▪ Technical Exchange Meeting 2021
 - 2020**
 - Cooperative Plan of the Automobile Industry by countries in the Post COVID-19 Era
 - Joint R&D Seminar ▪ Technical Exchange Meeting
 - Korea-Thailand Online Business Meeting
 - The Gyeongnam Aerospace Cluster Online Investor Relations Presentation
 - 2019**
 - Global R&D Network Meeting - E-mobility Industry
 - Meeting for Activating International Collaborative Research
 - Gyeongbuk Auto Materials Parts Europe Export Matchmaking
 - Conference of Invest Promotion for Korea Aerospace Valley
 - Joint R&D Seminar ▪ Technical Exchange Meeting
 - 2018**
 - MOU : Winston Chung Global Energy Center(WCGEC), University of California, Riverside
 - 2017**
 - MOU : NCSR(National Center for Sensor Research), Dublin City University
-

Activity

Attend a seminar/Visit the exhibition

- 2021** • Daegu International Future Auto Expo 2021

 - 2020** • The 7th International Electric Vehicle Expo in Jeju

 - 2019** • Participation in Korea-US AutoTech Connect 2019
 - Daegu International Future Auto Expo
 - IEEV China 2019

 - 2018** • Workshop for Business Planning of the Electrical Vehicle Tuning Ecology Invigoration
 - National Assembly Seminar : Fostering Smart Parts Industry in the 4th Industrial Revolution (Kyeong-soo KIM), “Global Joint Research Strategy for Smart Technology Asia Hub”

 - 2017** • National Assembly Seminar : Discussion on Job creation for Regional Youth in Science & Technology : The 4th Industrial Revolution! (Ho-young AN), “The Role of the 4th Industrial Revolution for Youth Job creation and Network construction of Global Demand”
 - Workshop for Applying TRA of National R&D Programs related to the 4th Industrial Revolution
 - Project cooperation with KISTEP of KRISS – Strategy for international cooperation

 - 2016** • Seminar for Strategy of National R&D Project
-

International Cooperative Development

No	Name	Affiliation
1	Fuel Quality Sensor for the Intelligent Combustion of Natural GasSeoul	Winston Chung Global Energy Center
2	Biomimetic olfactory receptor-based biosensors for specific odorant detection	California Institute of Technology
3	Phosphorene-based sensors for volatile organic compounds exhaled from breadth	California Institute of Technology
4	Advanced Chemiresistive Sensor Arrays for an Electronic Nose Chip General Purpose Vapor Detector	California Institute of Technology
5	Commercialization of Advanced Microchip Chemical Sensors	Next Dimension Technologies, Inc
6	Development of mini NMR imaging system to probe gas hydrate under seabed	California State University, LA
7	Quantum Biological Electron Transfer (QBET) Sensor and Actuator: Wireless Molecular Nanotheranostic Pacemaker	BERKELEY SENSOR & ACTUATOR CENTER
		UC BERKELEY UC DAVIS
8	Captivate - On Demand Drug Release and Detection	NCSR, Dublin Ireland
		UC BERKELEY UC DAVIS
9	Wearable sensors for integration in retinal prosthesis	California State University, LA
10	Fuels and Energy from Seawater : BADA Fuels (SeaFuels))	NCSR, Dublin Ireland
11	Cancer Detection System on Chip	California State University, LA
12	Innovative Materials for Sensing	University of Southern California, LA
13	City-Scale Air Quality Sensing System	University of Southern California, LA
14	Self-Learning All-in-One Zero-Power Sensor Devices	University of Southern California, LA

Global Innovation Cluster Center Networks

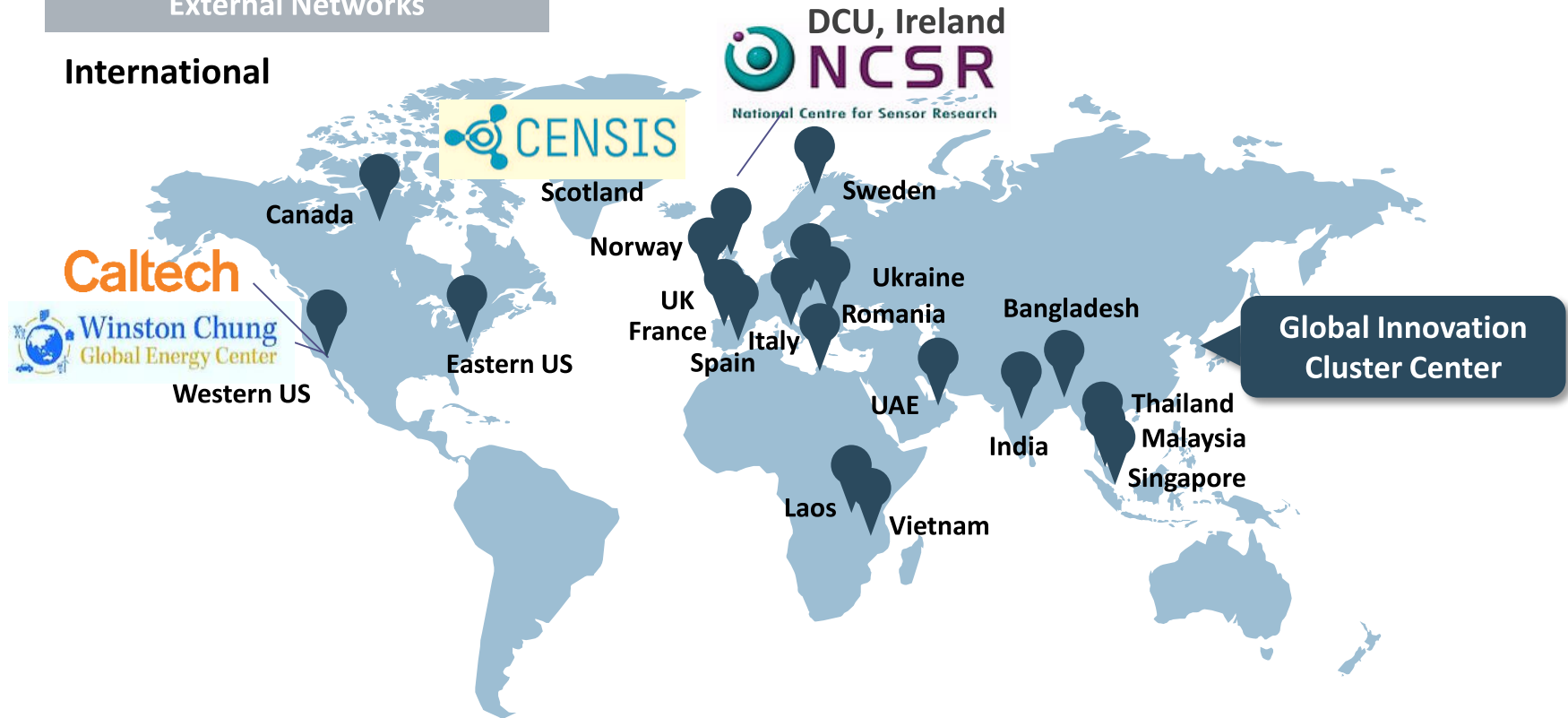
Internal Networks



Global Innovation Cluster Center Networks

External Networks

International



National

Global Innovation
Cluster Center

-  Hanyang University ERICA
- Research Institutes
- Governments
- **MAXtin** Maxtin Global

Contact us

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THANK YOU