

2022

# International Energy Policy Program

Seoul National University





#### INTRODUCTION \_ 03

- Director's Message\_03
- IEPP Mission\_04
- IEPP - SNU\_05

#### SPECIAL PROGRAM \_ 06

#### EDUCATION \_ 08

- Faculty Members\_08
- About SNU\_10
- Living at SNU\_11

#### ADMISSIONS\_ 13

#### NUMBER OF IEPPIAN\_14

#### TEMEP



<https://temep.snu.ac.kr>

#### IEPPAA



<https://ieppaa.snu.ac.kr>

## Director's Message

I am delighted to introduce the International Energy Policy Program (IEPP-SNU) at Seoul National University. IEPP-SNU is a government-sponsored graduate degree program for government officials from abroad in the field of energy and resources. IEPP-SNU offers a full scholarship sponsored by the Ministry of Trade, Industry and Energy (MOTIE), the Republic of Korea.

IEPP-SNU was launched in 2009. Since then, we have awarded full scholarships to a group of 85 government officials who were selected out of more than 220 applicants from all over the world. IEPP-SNU is open to all government officials as long as they are qualified and willing to share the vision of IEPP-SNU.

Energy and resources play an important role in a national economy and have great potential for development and prosperity. IEPP-SNU provides an education program on energy and resources policy and technology development. Also IEPP-SNU provides an environment for international cooperation activities for professionals and government officials.

Seoul National University, one of the most prestigious universities in Korea, is staffed with excellent faculty along with supporting staffs and facilities. I encourage you to be a part of IEPP legacy and go beyond your dream. I look forward to welcoming you to IEPP at Seoul National University!

**Yeonbae Kim**

Professor, Technology Management, Economics and Policy Program  
Seoul National University



## IEPP Mission

- Educating international energy and resource policy specialists and enriching human resources to take a leading role in the upcoming era
- Building an international energy, resource and technology policy network
- Promoting the development of government energy and resource policy
- Educating global pioneers to lead advancement of technology
- Building a global platform to share experience of clean energy(renewable energy/ clean power generation) and resource development and to promote environment-friendly economic development





## IEPP of Seoul National University (IEPP-SNU)

- Provides Master and Ph.D programs focusing on policy of international energy and resources development and related technologies
- Doctoral Program : Three-year, 39 credits
- Master's Program : Two-year, 45 credits





# Special Programs

## Academic Activities

Aside from the regular curriculum, special lectures will be given by Energy specialists and policy makers in order to keep up with practical know-how and useful knowledge. Also, IEPP students will have chances for the master classes of distinguished CEO/CTO of multinational enterprises or prominent scholars in the field of Energy Policy and other related areas.



## Field Study and Internship Opportunity

Field trips and studies provide a chance to see and get a feeling of advanced Korea's Energy Industry by visiting various leading ENERGY enterprises, industries, exhibitions and laboratories. Furthermore, the opportunities for short-term internship are offered at renowned ENERGY businesses for practical on-the-job education.



## Korean Language Education

IEPP-SNU offers the regular/intensive Korean language course operated by Korean Language Education Center(KLEC) of Seoul National University during the semester and intensive Korean Language classes run during the winter/summer vacation. SNU KLEC is one of the renowned Korean Language Education Institutes and it provides students with not only professional language program but also many opportunities to learn about Korean culture and share their own culture.





# Faculty Members

## Yeonbae Kim **Professor, Director of IEPP**

### Technology Management, Economics and Policy Program

Ph.D., Engineering, Seoul National University

- Commercialization of Technology, Patent Strategy, Technology Transfer, Financing and Entrepreneurship
- Energy & Environment, IT, BT, Emerging Techs
- Tech Innovation and Public Policy, National Institutions, National Culture and Ethics/RIS
- Data Analysis, Patent Analysis

## Sukwon Cha

### Department of Mechanical Engineering

Ph.D., Mechanical Engineering, Stanford University, USA

- Hydrogen Fundamentals  
(Materials and process development of catalyst, solid state electrolyte and bipolar plate)
- Full Cell Systems  
(Design, control and simulation of hydrogen power systems and mobility)

## Eunhyeong Heo

### Department of Energy Systems Engineering & Technology Management, Economics and Policy Program

Ph.D., Mineral Economics, The Pennsylvania State University

- Energy, Environmental and Resource Economics
- Industrial Policy
- Energy Policy
- Econometric Analysis
- Energy Market Analysis
- Environmental Management
- Valuation of Technology and Environmental Assets

## Jina Kang

### Technology Management, Economics and Policy Program

Ph.D., Strategy and Technology Management, The Anderson School of UCLA, USA

- Strategic Management
- Technology & Innovation Management
- Organization Learning & Knowledge Transfer
- Entrepreneurship & Hi-tech Industries
- Service Management & Strategy
- Corporate Venture Capital

## Jörn Altmann

### Technology Management, Economics and Policy Program

Ph.D., Computer Science, University of Erlangen-Nuremberg, Germany

- Platform Services
- Economics of IT Services
- Systems and Network Management
- Economics of Cloud Computing
- Network Science
- Complex Systems
- Group Formation
- Future of Work
- Networked Businesses
- Networked Service Systems
- Digital Ecosystems

## Eunhyea Chung

### Department of Energy Systems Engineering

Ph.D., Civil and Environmental Engineering, Georgia Institute of Technology, USA

- Resources Recovery and Energy Production using Electrochemical System
- Gas Mixture (CO<sub>2</sub>/H<sub>2</sub> or CO/H<sub>2</sub>) Separation using Membrane
- Scaling Control in the natural or artificial reservoir of geothermal System

## Seokwon Jeon

### Department of Energy Systems Engineering

Ph.D., Department of Mining and Geological Engineering, University of Arizona, USA

- Experimental Rock Mechanics
- Rock Fracturing Characteristics
- Rock Fragmentation Process
- Mechanized Tunnelling
- Risk Assessment of Ground Subsidence
- Site Characterization for Tunnelling

## Yoonmo Koo

### Technology Management, Economics and Policy Program

Ph.D., Engineering, Seoul National University

- Energy & Environment Policy
- Climate Change Policy
- Economic Valuation & Feasibility Analysis
- Technology Diffusion & Adoption

### **Jeongdong Lee**

#### **Technology Management, Economics and Policy Program**

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Ph.D., Engineering, Seoul National University

- Industry and firm dynamics
- Productivity and efficiency analysis
- Evolutionary economics
- Innovation Policy

### **Seungwoo Seo**

#### **Department of Electrical and Computer Engineering**

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Ph.D., Electrical Engineering, The Pennsylvania State University, USA

- Automated Driving
- System Optimization
- Security

### **Hyenyoung Yoon**

#### **Technology Management, Economics and Policy Program**

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Ph.D., Engineering, Seoul National University

- ICT and Development
- Digital Economy
- Digital Transformation
- ICT Ecosystem and Policy
- Smart City Solutions

### **Jaedo Moon**

#### **Technology Management, Economics and Policy Program**

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M.A., Government Administration, Seoul National University

M.A., Management Science, KAIST

- Korean Economic Development
- Energy Policies and Regulation
- International Cooperation in Energy and Industry

### **Jongsu Lee**

#### **Technology Management, Economics and Policy Program**

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Ph.D., Engineering, Seoul National University

- Consumer Preference Analysis on New Products
- Demand Forecasting of New Products
- Discrete Choice Analysis
- Evaluation of Market Structure and Market Regulation Research
- Quantitative Evaluation of Technology Policy
- Diffusion of Innovation

### **Eungkyu Lee**

#### **Technology Management, Economics and Policy Program**

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Ph.D., Geophysics, Seoul National University

- Energy & Resource Industry
- International Energy Market
- International Energy & Resource Cooperation

### **Kyung-Jin Boo**

#### **Technology Management, Economics and Policy Program**

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Ph.D., Public Policy and Urban Affairs, University of Delaware, USA

- Energy and Environment
- Sustainable and Renewable Energy Technology
- Technology and Standards
- International Energy&Resource Cooperation

### **Mihee Choi**

#### **Technology Management, Economics and Policy Program**

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Ph.D., Economics & Taxation, University of Seoul

- Energy & Environment Policy
- Fiscal Programs Analysis & Evaluation
- Tax System Analysis

# About SNU

## A Tradition of Excellence Honoring Public Service Pioneering Knowledge

### About Seoul National University

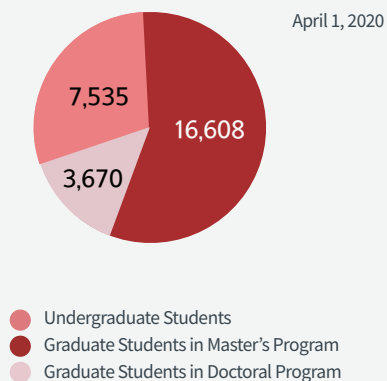
Welcome to Seoul National University, Korea's first national university and the indisputable leader of higher education in Korea.

Seoul National University honors the ideals of liberal education and aims to teach students a lifelong love of learning that will form the basis for continuous personal growth. At the same time it is committed to preparing students to work and live in the increasingly competitive global environment. As South Korea's first national university, Seoul National University has a tradition of standing up for democracy and peace on the Korean peninsula. Graduates have long served as public servants in key positions of the Korean government. In teaching, research, and public service, Seoul National University continues to set the standard of excellence. The mission of Seoul National University in the twenty-first century is to create a vibrant intellectual community where students and scholars join together in building the future. As Korea's leading research university, Seoul National University is committed to diversifying its student body and faculty, fostering global exchange, and promoting pathbreaking research in all fields of knowledge.

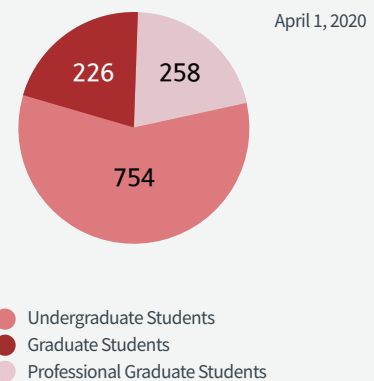
### General Information

- History** : Founded in 1946 as the first national University of Korea
- Campus** : Built on the largest campus in Seoul
- Colleges** : 15 Colleges, 1 Graduate School and 12 Professional Schools
- Faculty** : 2,256 full-time faculty members
- Students** : 16,608 undergraduate students and 11,205 graduate students
- Alumni** : Approximately 430,000 students

### Number of Students



Number of Enrolled Students 27,813



International Students in Degree Programs 1,238



# Living at SNU



## Scholarship

International Energy Policy Program (IEPP) is an international scholarship education program of Technology Management Economics and Policy Program (TEMEP) at the College of Engineering, Seoul National University.

IEPP-SNU offers Master or Ph.D. degree of Seoul National University in Technology Management Economics and Policy Program.

IEPP-SNU Scholarship covers the following:

- Tuition Fees (Master: up to 2 years, Doctorate: up to 3 years)
- One-way Airfare
- Living Expenses (Appx. 1,500,000 KRW per month)
- Settlement Fund
- Medical Insurance

## Housing

SNU Gwanak Campus has 27 residence buildings housing over 5,700 students from around 80 different countries. The residence buildings are available to all students registered. Most of IEPP students stay in BK International House or Gwanak Student Residence Hall.

Students who live in dorms have their own governing body and engage in various activities such as open houses, sports events, culture lectures. Housing for graduate students with families accommodates 200 graduate students and researchers. Gwanak campus is equipped with various facilities for students including cafeterias and state-of-the-art gym.

## Facilities

SNU has various cultural facilities including the Museum of Art, Amphitheater and Student Art Center consisting of auditoriums, an exhibition hall and an international conference room. In the Sports Complex which hosted table tennis game for Seoul Olympics in 1988, SNU members can play basketball, volleyball, table tennis and badminton.

The nearby POSCO Sports Complex has an indoor swimming pool, a fitness center, squash/racquetball courts and a golf range. The University also has basketball and soccer fields and tennis courts.

# Living at SNU

## TEMEP Community Life

To create long-lasting bonds with fellow members and colleagues, SNU holds festivals and athletic meetings. IEPP students with various cultural backgrounds have many events to share their cultures through some events such as movie night, international food festival, etc. In addition, IEPP students visit industrial sites for workshop trips and have opportunities to have Korean cultural experiences regularly. These activity programs provide IEPP international students with opportunities to get a better understanding of Korean culture and life.

### SNU Language Education Institute

<https://lei.snu.ac.kr>

### SNU Cooperative

<https://snuco.snu.ac.kr>

### SNU Language Education Institute

<https://library.snu.ac.kr>

### SNU Health Service Center

<https://health4u.snu.ac.kr>

### SNU Dormitory

<https://snudorm.snu.ac.kr>



# Admission

## Qualifications

- Government Officials from abroad in the field of energy and resources
- A Bachelor's or Master's degree holders

## Timetable for IEPP Admission

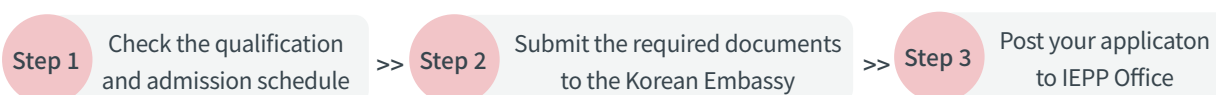
	Admission Season	Notes
Application	June~July	Download Application Form - SNU Website ( <a href="https://admission.snu.ac.kr">https://admission.snu.ac.kr</a> ) - IEPP Website ( <a href="https://ieppaa.snu.ac.kr">https://ieppaa.snu.ac.kr</a> )
Screening	August~September	Document Screening / Interview
Preliminary Decision	October	Preliminary admitted applicants should submit original documents
Final Decision	November	
Registration	February	New semester begins on March 2.

- The date is subject to change with notice.

## Application Procedures

Applicants for IEPP-SNU must submit his/her application document to the Korean Embassy or Consulate in each country after obtaining a recommendation from the affiliated government body.

Please notify your application to IEPP Office after completing the required form.



## Required Documents

1. [Form1] Application Form
  2. [Form2] Personal Statement and Study Plan
  3. [Form3] Two Letters of Recommendation from applicant's professor or the head of applicant's organization  
\* Recommendations must be sealed in an official envelope and signed on the back by the recommenders.
  4. Master Program Official Bachelor's Transcript  
Ph.D Program Certificate of Official Bachelor's/ Master's Transcript
  5. Master Program Certificate of official Bachelor's Degree  
Ph.D Program Certificate of official Bachelor's/ Master's Degree
  6. A copy of the applicant's passport (or other official documents indicating nationality)
  7. A copy of both parent's passport
  8. Official document indicating parent-child relationship
  9. Proof of Language proficiency (Korean / English)
  10. Explanatory Statement
- \* Curriculum Vitae, Proof of Employment, Supplement Material Proof (Awards, Thesis, etc.)



## IEPPians around the World







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