

## NEREC Graduate Fellows Program

Nuclear Nonproliferation Education and Research Center (NEREC), KAIST

**Purpose** To train and nurture next-generation international leaders in nuclear nonproliferation and related nuclear policy

**Eligibility** Graduate Students in good academic standing in major colleges/universities

**Period** July 8 – August 18 (6 weeks),

**Location** KAIST (Daejeon, South Korea)

**Program** (conducted in English)

- Group research work with international peer students with diverse background on selected topics of nuclear nonproliferation or related nuclear policy issues
- Participation and poster presentation at NEREC Conference on Nuclear Nonproliferation
- Class participation in ‘Nuclear Risk Management’ by Prof. Man-Sung Yim of KAIST
- Field trips to Seoul, Gyeongju, and China and Japan
  - Seoul – Visit to governmental institutions and policy research institutes including the Blue House, the National Assembly, the Ministry of Foreign Affairs, think-tanks, and tour of DMZ area
  - Gyeongju – Visit to major nuclear facilities and research institutes in Daejeon, Gyeongju and Changwon including Korea Atomic Energy Research Institute, Korea Institute of Nuclear Nonproliferation and Control, Wolsong Nuclear power plant, Doosan Heavy Industry, etc.
  - China and Japan - Major universities and their research labs, government agencies, think-tanks and nuclear facilities
- Korean cultural events

### **Benefits**

NEREC covers lodging for non-resident students for 6 weeks and all costs related to field trips, cultural events and conference participation. The benefits amount to approximately \$6,000.

### **Credits**

All students receive Nuclear Nonproliferation Course Certificate upon successful completion. Students from KAIST can get one course credit by successfully completing this program. Non-KAIST students can get a letter from the Director of NEREC endorsing the award of equivalent course credits from his/her university. (※ Note that the letter is unofficial.)

### **Visa Preparation for the Field Trip to China and Japan**

Applicants are responsible to obtain visas on their own for the entry to China and Japan (tourist visas) before joining the program. **Those applicants unable to obtain visas prior to the beginning of the program will not attend the field trip to China and Japan.**

### **Travel Grants (for applicants from non-OECD countries)**

NEREC offers round trip airfare to one qualified graduate fellow from non-OECD countries. Applicant who wishes to receive the grant should submit their “*NEREC Travel Grant Application*” along with their application of the program. The successful applicant will be notified via email approximately by the 4<sup>th</sup> week of March.

### **Selection Process**

<b>Application Deadline</b>	<b>March 2</b>	The application must be submitted online.
<b>Evaluation</b>	<b>March 2 to March 14</b>	Skype interview may be included.
<b>Decision Notification</b>	<b>March 16</b>	by email
<b>Confirmation by Student</b>	<b>March 23</b>	by email

\*NEREC will conduct a reference check via email during the selection process.

### **Application Process**

The application package consists of elements below:

- 2018 NEREC Graduate Fellows Program Application – Resume and personal statement, names/contact info for two references (including your academic advisor)
- Academic transcripts of both Bachelor's degree and graduate school - A copy of an official one or computer printout is acceptable.
- (Optional) NEREC Travel Grant Application

In order to be considered for review, **the application package must be submitted by March 2 to Ms. Jeemin Ha at [jeeminha326@kaist.ac.kr](mailto:jeeminha326@kaist.ac.kr).**

### **Preliminary Program for NEREC Graduate Fellows**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
W1 (July 9-13)	Lecture	Lecture	Lecture	Field Trip (1) - Seoul		
W2 (July 16-20)	Lecture	Lecture	Lecture	Lecture	Lecture	
W3 (July 23-27)	Field Trip (2) - Gyeongju			Research		
W4 ( July 30–August 3)	Research (Poster Presentation Preparation)					
W5 (August 6-10)	Research (Research Paper Writing)			NEREC Conference on Nuclear Nonproliferation - Poster Presentation - Commencement Ceremony		
W6 (August 13-17)	Field Trip (3) - Beijing > Shanghai > Tokyo > Mito (Tokai)					

\* The schedule is subject to change.

**For more information, please contact:**

*Ms. Jeemin Ha, Program Officer*

Nuclear Nonproliferation Education and Research Center (NEREC),

Korea Advanced Institute of Science and Technology (KAIST)

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## **Nuclear Nonproliferation Education and Research Center (NEREC), KAIST**

As Korea's sole university organization on nonproliferation research and training, KAIST NEREC is an academic think tank to undertake education and research to foster international nuclear non-proliferation conducive to peaceful use of nuclear technology. The Center has three objectives: (1) to train and nurture non-proliferation human resources, (2) to conduct non-proliferation policy research combining technical expertise and policy insights, and (3) to engage in discussions on the peaceful use of nuclear technology and various aspects of nuclear non-proliferation.

### **NEREC Faculty**

**Dr. Man-Sung Yim** is Professor of the Department of Nuclear and Quantum Engineering and Director of Nuclear Nonproliferation Education and Research Center at Korea Advanced Institute of Science and Technology (KAIST). Previously, he taught at North Carolina State University and at MIT. Dr. Yim is a member of Advisory Committee of Korean Ministry of Foreign Affairs, Editorial Advisory Board of the Journal, Progress in Nuclear Energy and International Journal of Nuclear Security Editorial Board member. His research areas are nuclear fuel cycle, nuclear waste management, nuclear safety, and nuclear nonproliferation. Dr. Yim is a graduate of Seoul National University (BS/MS), University of Cincinnati (PhD), and Harvard University (SM/ScD).

**Dr. So Young Kim** is Professor and Head of Graduate School of Science and Technology Policy and Deputy Director of Nuclear Nonproliferation Education and Research Center at KAIST. Before coming to KAIST, she worked as a data archivist for the Social Computing Center at the University of Chicago and as an assistant professor of political science at Florida Atlantic University. Prof. Kim's research areas include science and technology policy, R&D policy, international political economy, and quantitative methodologies in social science. Prof. Kim has served several governmental committees including National S&T Vision Committee and Advisory Committee for the 5-Year S&T Workforce Master Plan. She graduated from Seoul National University and received PhD from Northwestern University with the support of Fulbright Scholarship.

**Dr. Sungyeol Choi** is Assistant Professor of the Department of Nuclear and Quantum Engineering and Deputy Director of Nuclear Nonproliferation Education and Research Center at Korea Advanced Institute of Science and Technology (KAIST). He was a senior researcher at Division of Nuclear Fuel Cycle Technology Development, Korea Atomic Energy Research Institute. From 2010 to 2012, he was a research fellow at Belfer Center for Science and International Affairs, John F. Kennedy School of Government, Harvard University. He earned Ph.D. in Nuclear Engineering in 2012 and B.S. in Nuclear Engineering (summa cum laude) in 2008 from Seoul National University. In 2008, he authored Lessons Learned from the Development of the Korean Nuclear Power Programme for the IAEA. He has published several peer-reviewed articles related to molten-salt pyroprocessing, fast reactors, nuclear waste disposal, nuclear nonproliferation, and nuclear fuel cycle system analysis.

**Dr. Bong-Geun Jun** is Professor at the Korea National Diplomatic Academy. Previously, he was a policy advisor to the Ministry of Unification, visiting scholar at Keio University, secretary to the President for international affairs at the Presidential Office, and a professional staffer at Asia Foundation Center for US-Korea Policy. His research areas include

the North Korean nuclear issue, inter-Korean relations, non-proliferation, nuclear security, and nuclear energy policies. He received BA and MA from Seoul National University and his PhD in political science from the University of Oregon.

**Dr. Sang-Hyun Lee** is senior research fellow at the Sejong Institute, and President of Korea Nuclear Policy Society. He recently served as Director General of Policy Planning at the Ministry of Foreign Affairs, ROK. His research areas include international politics and security, ROK-US relations, inter-Korean relations and security in the East Asia. He received his B.A. from Seoul National University and Ph.D. in Political Science from University of Illinois (Urbana-Champaign).

**Dr. Hyeon Seok Park** is Assistant Professor of Humanities and Social Sciences at KAIST. His research areas include Comparative Politics, International Relations, and Political Economy. He received B.A. and M.A. in political science from Seoul National University and PhD from University of Iowa as Fulbright grantee.