

NEREC Summer Fellows Program

Nuclear Nonproliferation Education and Research Center (NEREC), KAIST

Purpose: To train and nurture next generation international leaders in nuclear nonproliferation

Eligibility: Students in good academic standing at a major college/university

Period: June 29 – August 7 (6 weeks)

Location: KAIST, Daejeon, South Korea

Program (conducted in English):

- Lectures and seminars on nuclear technology and policy, international relations, etc.
- Group research work with NEREC fellows
- Participation and poster presentation at NEREC Conference on Nuclear Nonproliferation
- Field trips to governmental institutions and policy research institutes in Seoul including Blue House, National Assembly, Ministry of Foreign Affairs, Korean National Diplomacy Academy, East Asia Institute, etc., and to major nuclear facilities and research institutes in Daejeon and Gyeongju including Korea Atomic Energy Research Institute, Korea Institute of Nuclear Nonproliferation and Control, Doosan Heavy Industry, etc.
- Korean cultural events

Benefits: NEREC covers your lodging for 6 weeks, and all costs related to field trips, cultural events and conference participation. The benefits amount to approximately \$2,500.

Application: Complete and submit (via email) your application form, academic transcripts (a copy of an official one or computer printout is acceptable), and names/contact info for two references (including your academic advisor) to nerec@kaist.ac.kr

Application Process

Application Deadline	February 13	The application must be submitted online.
Evaluation	February 16 to 25	Skype interview may be included.
Decision Notification	February 27	by email
Confirmation by Student	March 6	by email

Contact Info: Inquiries regarding the application, please contact the NEREC office by email: nerec@kaist.ac.kr

Nuclear Nonproliferation Education and Research Center (NEREC), KAIST

As Korea's sole university organization on nonproliferation research and training, the KAIST Nonproliferation Education and Research Center (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 lead discussions on the peaceful use of nuclear technology and various aspects of nuclear non-proliferation.

NEREC Faculty

Dr. Man-Sung Yim is Professor and Head 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 for Korean Nuclear Safety and Security Commission, Korean Ministry of Foreign Affairs, and Editorial Advisory Board of the Journal, Progress in Nuclear Energy. 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. 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. So Young Kim is Associate Professor of Graduate School of Science and Technology Policy 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, 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. 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.

NEREC Summer Fellows Program 2015

Schedule

Draft as of January 15

	Monday	Tuesday	Wednesday	Thursday	Friday
W1 (6/29-7/3)	- Introduction - Lecture(1) - Lecture(2)	- Lecture(3) - Lecture(4) - Research	- Lecture(5) - Lecture(6) - Research - Exercise*	- NSSSS**(1) - Research	Research
W3 (7/6-10)	Field Trip (1) - Seoul > Gyeonggi			- Research - Field Trip Review	Research
W2 (7/13-17)	- Lecture(7) - Lecture(8) - Research	- Lecture(9) - Lecture(10) - Research	- Lecture(11) - Lecture(12) - Research - Exercise	- NSSSS(2) - Research - Field Trip Preview	Research
W4 (7/20-24)	Field Trip (2) - Daejeon > Gyeongju > Changwon			- Research - Field Trip Review	Research
W5 (7/27-31)	Research				
W6 (8/3-7)	Research	NEREC Fellows Research Presentations		NEREC Conference*** (Seoul) - Poster Presentation	

*Team-building exercise

**NSSSS: NEREC Summer Speaker Series Seminar

***NEREC Conference on Nuclear Nonproliferation

NEREC 2014 Summer Fellowship Reflections

Andrew

The University of Chicago Class of 2017

Economics and International Studies Major

The NEREC summer fellowship program is truly an incredible opportunity that I would highly recommend to anyone who is willing to put effort into having a very meaningful and impactful summer vacation. Not only is it at one of the premier research institutions in the world, the program organizers are second to none. I was able to learn so much in just 6 weeks at the program not only about the technicalities of nuclear engineering or policymaking, but also more generally about how important this technology and its policies will be in the years to come. As someone who has grown up in the States, it was an invaluable cultural experience as well. Going on trips to Kyungju and Seoul to visit world-renowned institutions was something that I simply would not have been able to do if it weren't for the program. Most importantly, I was able to meet the most incredible group of people during the program and, as fellows; we were able to genuinely bond with each other. In living together we were able to learn from each other and basically have an amazing time together. I am still in touch with many from the program and will continue to do so [hopefully] as friends for a long time coming.

Jin Yi

Nanyang Technological University, Freshman

Linguistics and Multilingual Studies

Although attending the 2014 NEREC Summer Fellows Program would be my first time away from home all alone, it was an opportunity I am glad I did not miss. Not only did I forge new friendships (that will hopefully last!), I also learned a lot about Nuclear Nonproliferation in the world and how it might impact non-nuclear nations like Singapore, about the Korean people and her culture, and most interestingly, about myself. The best moments of this fellowship were the seemingly normal ones, the little things we do for one another, but not to forget the eye-opening trips; the summer of 2014 at the tranquil campus of KAIST will always be a special memory.

Ji Soo

University of Washington, Junior

Jackson School of International Studies

My summer research fellowship was educational, meaningful, and incredibly fun. The experience from NEREC applied my new knowledge of the lectures I had participated at the start of my fellowship to my experience including advancing my global acumen of the related issues. My time spent with NEREC afforded me many answers to my curiosity of exactly how I can develop my career path to be part of the world, working for nuclear nonproliferation.

Having the chance to witness NEREC's role in nuclear nonproliferation has illustrated that NEREC adds so much value to Republic of Korea's reputation as global leader, fighting for nuclear related risks all around the world. Spending time in NEREC has been one of the top academic experiences I've ever had. Professor Yim, NEREC staffs and graduate students whom I worked with made the experience so special. The experience has developed me so much personally and professionally and I am very grateful to have had this opportunity.