

2022 NEREC-Sejong Conference on Nuclear Nonproliferation

"Promoting Nuclear Nonproliferation for the Peaceful Use of Nuclear Energy"



- ◇ **Dates** August 2(Tuesday) - August 3(Wednesday), 2022
- ◇ **Venue** SEJONG Institute, International Conference Room (1st floor) Online-Offline Hybrid
- ◇ **Online Broadcasting** <https://www.youtube.com/channel/UCKfSZGGzVl00shBLP-PsncQ>
- ◇ **Host** KAIST Nuclear Nonproliferation Education and Research Center
SEJONG Institute

◇ **Sponsor**



Message from KAIST/NEREC and SEJONG Institute

The ongoing Russo-Ukrainian war presents unprecedented challenges to the international system. These challenges demand global scale policy responses to address, to name a few, human rights, state sovereignty, fiscal crisis, rule of law, food security, energy security, supply-chain pressures, safety of nuclear power, and nuclear nonproliferation. The future of global development and the related geopolitics have become very complex adding to the difficulties caused by the Covid19 pandemic. While many countries are seeking opportunities to introduce nuclear power as nuclear newcomers given the concern over energy security and climate change, it is ever more important to seek safe and responsible use of nuclear technology.

This year's International Conference on Nuclear Nonproliferation will be held as a joint effort between Nuclear Nonproliferation Education and Research Center (NEREC) of KAIST and SEJONG Institute. Through the participation of some of the best minds in respective fields, the 2022 NEREC-Sejong Conference will examine global nuclear policy challenges of our day while identifying strategies to meet them. The questions addressed include: 1) What are the implications of the Russo-Ukrainian war on global nuclear governance; 2) What are the implications of the energy security concern under the Ukraine crisis on the future of nuclear power?; 3) What are the prospects of global nuclear nonproliferation regime into the future?; 4) How should the continuing DPRK nuclear challenge be met?, and; 5) What are the implications of technology innovations by the nuclear energy sector with respect to the future of global nuclear power development?

We are very grateful for the sponsorship for the conference by the Ministry of Foreign Affairs (MOFA) of the Republic of Korea (ROK), the Stanton Foundation of the USA, Korea Hydro and Nuclear Power Company (KHNP), and the Asia-Pacific Leadership Network (APLN). We look forward to having your presence, either online or offline, at the 2022 NEREC-Sejong Conference on Nuclear Nonproliferation. Together with you, we build better future for the global community.

◇ **Program**

Day 1: August 2(Tuesday)		
Opening Session		
09:00~10:00	Moderator	Prof. Man-Sung Yim (Donald E. Bentley and Agnes Muszynska Endowed Chair Professor of Nuclear and Quantum Engineering; Director, NEREC, KAIST, ROK)
09:00~09:15	Congratulatory Remarks	Prof. Chung-in Moon (Chairman, Sejong Foundation, ROK)
09:15~09:55	Keynote speech	Prof. Steven Miller (Director, International Security Program; Editor-in-Chief, International Security, Belfer Center, Harvard University, USA)
09:55~10:00	Break (Group photo of speakers and guests, offline and online)	
Session I - Russo-Ukrainian War and its Implications on Global Nuclear Governance		
10:00~12:15	Chair	Dr. Yong-Sup Han (President, Association for International Security and Cooperation, ROK)
10:00~10:20	Session Keynote	Prof. Scott Sagan (Co-director, CISAC; Caroline S.G. Munro Professor of Political Science, Stanford University, USA)
10:20~11:20	Speakers	<ul style="list-style-type: none"> • Dr. Francesca Giovannini (Executive Director, Managing the Atom Project, Harvard Belfer Center, USA) • Dr. Tong Zhao (Senior Fellow, Carnegie Endowment for International Peace; Visiting research scholar, Science and Global Security Program, Princeton University, China) • Prof. Bong Geun Jun (Professor, Institute of Foreign Affairs and National Security, Korea National Diplomatic Academy, ROK)
11:20~11:30	Break	
11:30~12:15	Discussion	
12:15~13:30	Luncheon	
Session II - Nuclear Power and Energy Security Under the Ukraine Crisis		
13:30~15:45	Chair	Prof. Soyong Kim (Associate Professor, Graduate School of Science and Technology Policy, KAIST, ROK)
13:30~13:50	Session Keynote	Prof. Matthew Bunn (James R. Schlesinger Professor of the Practice of Energy, National Security, and Foreign Policy, Harvard Kennedy School, USA)
13:50~14:50	Speakers	<ul style="list-style-type: none"> • Mr. Paul Dickman (Senior Policy Fellow, Argonne National Laboratory, USA) • Dr. Soon Yub (Samuel) Kwon (Partner; Chair of Global Practice; Member of Washington D.C. Bar, Lee & Ko, ROK) • Dr. Sang Hyun Lee (President, Sejong Institute; President of Korean Nuclear Policy Society, ROK)
14:50~15:00	Break	
15:00~15:45	Discussion	
Session III - Prospects of Global Nuclear Nonproliferation Regime		
16:00~17:40	Chair	Prof. Hojin Ryu (Associate Professor of Nuclear and Quantum Engineering; Deputy Director, NEREC, KAIST, ROK)
16:00~16:20	Session Keynote	Prof. Jeffrey Knopf (Professor and Program Chair, Nonproliferation and Terrorism Studies, Middlebury Institute of International Studies at Monterey, USA)
16:20~17:05	Speakers	<ul style="list-style-type: none"> • Dr. Maximilian Hoell (Policy Fellow, European Leadership Network, UK) • Ms. Jinwon Lee (Ph.D. Candidate, U of Illinois Urbana-Champaign, ROK) • Mr. Tom Hickey (Communications Coordinator, CTBTO Youth Group, Ireland)
17:05~17:40	Discussion	
Day 2: August 3(Wednesday)		
Special Dialogue - Another Nuclear Test by North Korea? How to Tackle the Crisis?		
09:00~09:30	Moderator	Prof. Man-Sung Yim (Donald E. Bentley and Agnes Muszynska Endowed Chair Professor, Nuclear & Quantum Engineering; Director, NEREC, KAIST, ROK)
	Panelists	<ul style="list-style-type: none"> • Prof. Victor Cha (Senior Vice President and Korea Chair, CSIS; Vice Dean and D.S. Song KF Professor of Government, Georgetown University, USA) • Prof. Bong Geun Jun (Professor, Institute of Foreign Affairs and National Security, Korea National Diplomatic Academy, ROK)
Session IV - Meeting the Dual Challenge: Denuclearization and Deterrence against Nuclear Armed North Korea		
09:30~11:45	Chair	Prof. Jina Kim (Professor, Division of Language and Diplomacy, Hankuk University of Foreign Studies, ROK)
09:30~09:50	Session Keynote	Dr. Sue Mi Terry (Director of the Asia Program and the Hyundai Motor-Korea Foundation Center for Korean History and Public Policy, Wilson Center, USA)
09:50~10:50	Speakers	<ul style="list-style-type: none"> • Prof. Jihwan Hwang (Professor, Dept of International Relations, University of Seoul, ROK) • Prof. Ildo Hwang (Associate Professor, Institute of Foreign Affairs and National Security, Korea National Diplomatic Academy, ROK) • Dr. Toby Dalton (Senior Fellow; Co-Director, Nuclear Policy Program, Carnegie Endowment for International Peace, USA)
10:50~11:00	Break	
11:00~11:45	Discussion	
11:45~13:00	Luncheon	
Session V - Innovation and the Future of Nuclear Power Development		
13:00~15:15	Chair	Dr. Na-young Lee (Director, Office of Nuclear Security, Korea Institute of Nuclear Nonproliferation and Control, ROK)
13:00~13:20	Session Keynote	Dr. Shannon Bragg-Sitton (Director, Integrated Energy and Storage Systems Division, Idaho National Laboratory, USA)
13:20~14:20	Speakers	<ul style="list-style-type: none"> • Dr. Brian Boyer (Section Head, INPRO, International Atomic Energy Agency, Vienna) • Prof. Man-Sung Yim (Donald E. Bentley and Agnes Muszynska Endowed Chair Professor, Nuclear & Quantum Engineering; Director, NEREC, KAIST, ROK) • Dr. Chae-young Lim (Senior Vice President for Innovative Nuclear Reactor Systems, KAERI, ROK)
14:20~14:30	Break	
14:30~15:15	Discussion	
Closing Session		
15:15~15:30	Closing Speech	Prof. Soon-Heung Chang (Professor Emeritus and Former Provost, KAIST; Former President, Handong Global University, ROK)
15:30~15:40	Closing Remarks	Dr. Sang Hyun Lee (President, Sejong Institute; President of Korean Nuclear Policy Society, ROK)