

## ●●● About KAIST NEREC

Nuclear Nonproliferation Education and Research Center (NEREC) of Korea Advanced Institute of Science and Technology (KAIST), established in April 2014, is currently the sole university organization for nuclear non-proliferation research and training. The center has been run as a think tank undertaking 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.



●●● **Registration** (T) 042-350-8115 (E) [nerec@kaist.ac.kr](mailto:nerec@kaist.ac.kr)  
**NEREC Home page** <http://nerec.kaist.ac.kr/>

# 2016 NEREC Conference on Nuclear Nonproliferation

*"Promoting Nuclear Nonproliferation"*

|                |   |
|----------------|---|
| <b>Dates</b>   | August 4(Thu.) - August 5(Fri.), 2016   |
| <b>Place</b>   | Aston House, Sheraton Grande Walkerhill Hotel, Seoul, ROK   |
| <b>Host</b>    | Nuclear Nonproliferation Education and Research Center, KAIST   |
| <b>Sponsor</b> | Ministry of Science, ICT and Future Planning<br>Korea Institute of Nuclear Nonproliferation and Control |



핵비확산교육연구센터  
Nuclear Nonproliferation Education and Research Center



## 2016 NEREC Conference Director's message

Man-Sung Yim

Professor and Head  
Department of Nuclear and Quantum Engineering, KAIST



Demand for nuclear power continues. Backed by the concern over global warming, nuclear power is being pursued by a large number of countries including nuclear power states and aspiring states. NEREC, Nuclear Nonproliferation Education and Research Center, started its operation three years ago with the goal of effectively addressing nuclear proliferation challenges in continued spread of commercial nuclear power technology in the globe. This NEREC conference as a third one in its series is part of that effort. In this year's conference, we will identify nuclear nonproliferation challenges on the horizon and propose strategies to cope with them. Some of the best minds of our day in the field will share their insights, lessons learned, and the latest research findings in this regard. The relationship between the spread of civilian nuclear power technology and nuclear proliferation will be reexamined. The implications of evolving nature of nuclear exporters and importers will be debated. How best the technical community and policy community can work together to better address strategic latency issues will be discussed. We look forward to having you join the 2016 NEREC conference. We will work together to keep nuclear power peaceful and responsible.

## Program

| Day 1 : August 4(Thu.) |  |  |
|------------------------|--|--|
| 8:30~9:00              | Registration   |  |
| 9:00~10:30             | Session I  | Nuclear Nonproliferation Challenges 2016: What we see and What we do   |
|                        | Chair  | Steven Miller, Harvard University  |
|                        | Panel (1) Speakers   | <ul style="list-style-type: none"> <li>• US - MII CNS, William Potter</li> <li>• China - Fudan University, Dingli Shen</li> <li>• Japan - Nagasaki University, Tatsujiro Suzuki</li> <li>• ROK - KAIST NEREC, Man-Sung Yim</li> </ul>                  |
| 10:30~10:45            | Break  |  |
| 10:45~12:15            | Panel (2) Speakers   | <ul style="list-style-type: none"> <li>• EU - SIPRI, Tariq Rauf</li> <li>• IAEA - Tokyo Regional Office, Bruno Chesnay</li> <li>• Russia - CENESS, Anton Khlopkov</li> <li>• ROK - Korea National Diplomatic Academy, Bong-Geun Jun</li> </ul>         |
| 12:15~13:30            | Lunch  |  |
| 13:30~15:00            | Session II   | Nonproliferation Standard for International Nuclear Cooperation  |
|                        | Chair  | William Potter, Middlebury Institute of International Studies at Monterey  |
|                        | Panel (1) Speakers   | <ul style="list-style-type: none"> <li>• Matthew Kroenig, Georgetown University</li> <li>• Jacque Hymans, University of Southern California</li> <li>• Man-Sung Yim, KAIST</li> </ul>  |
| 15:00~15:15            | Break  |  |
| 15:15~16:45            | Panel (2) Speakers   | <ul style="list-style-type: none"> <li>• Anton Khlopkov, Center for Energy and Security Studies</li> <li>• Liping Xia, Tongji University</li> <li>• Yosuke Naoi, Japan Atomic Energy Agency</li> <li>• Sang-Hyeon Lee, The Sejong Institute</li> </ul> |
| 16:45~18:00            | Special Session  | 2016 NEREC Fellows Poster Presentations: Young Fellows, Graduate Fellows and Research Fellows  |
| 18:00~18:30            | Reception  |  |
| 18:30~20:00            | Dinner   |  |
|                        | Keynote Speech by Kunmo Chung, Senior advisor, KEPSCO / Former Minister of Science and Technology, the ROK |  |
| Day 2 : August 5(Fri.) |  |  |
| 9:00~10:30             | Session III  | Nexus of Technology and Policy in Nuclear Nonproliferation   |
|                        | Chair  | Scott Sagan, Stanford University   |
|                        | Panel (1) Speakers   | <ul style="list-style-type: none"> <li>• Howard Hall, University of Tennessee-Knoxville</li> <li>• Adam Stulberg, Georgia Institute of Technology</li> <li>• So Young Kim, KAIST</li> <li>• Tatsujiro Suzuki, Nagasaki University</li> </ul>           |
| 10:30~10:45            | Break  |  |
| 10:45~12:15            | Panel (2) Speakers   | <ul style="list-style-type: none"> <li>• Sungyeol Choi, UNIST</li> <li>• Yongsoo Hwang, KINAC</li> <li>• Jasmina Vujic, UC Berkeley</li> </ul>   |
| 12:15~12:30            | Closing Remarks  | Man-Sung Yim, KAIST  |
| 12:30~14:00            | Lunch  |  |
|                        | NEREC 2016 Summer Fellows Program Commencement Ceremony  |  |