

미국원자력학회와의 회의 보고

첨부 1: 미국원자력학회(ANS)와의 회의 Agenda

첨부 2: 미국원자력학회(ANS)와의 회의 Minutes

첨부 3: 회의 모습 사진



ANS–KNS President Bilateral Meeting

*Nov. 13, 2018 at 7:00 pm – 9:00 pm
Italian Restaurant La Luce (Hilton Orlando Bonnet Creek)
Orlando, Florida, USA*



Attendees:

ANS (American Nuclear Society)

- John Kelly (ANS President)
- Robert Fine (ANS Executive Director)
- Valerie Vasilievas (Governance Manager)
- Luc Van Den Durpel (ANS International Committee Vice Chair)
- Lane Carasik (ANS Student Sections Committee Chair)
- Harsh Desai ((ANS Young Members Group Vice Chair)

2019 Student Conference Co-Chair

KNS (Korean Nuclear Society)

- Kim, Myung-Hyun (KNS President, Prof. at Kyung Hee University)
- Jeong, Yong Hoon (KNS Communication Committee Chair, Prof. at KAIST)
- Kim, Man-Cheol (KNS Student Sections Committee Chair, Prof. at Chung-Ang University)
- Joo, Han-gyu (Prof. at Seoul National University)
- Kim, Yong Hee (Prof. at KAIST)

Topics to be discussed (proposed by the KNS president):

(1) Support INSC activities for the declaration of nuclear for climate

The International Nuclear Societies Council (INSC) is an international organization established in 1990. Number of member societies is 16 (including European Nuclear Society which has 23 members). Regardless of its potential, INSC has not played an influential role because of weak leadership. Most of society presidents have not concerned and supported INSC activities. Actually, officers of nuclear societies stand away from their meetings.

Public acceptance is a key platform to revitalize nuclear energy option in most of countries, such as USA, Japan and recently Rep. of Korea. Public declaration about the nuclear energy in reducing the carbon gas should be initiated from the union of nuclear

organizations just as “Nuclear for Climate” at May 4, 2015 which was signed by 39 international nuclear societies.

I want to discuss how to vitalize INSC which may work as acting network among international societies. This is the time to react and work with IPCC for promoting nuclear option for climate change reaction; COP21.

Detailed action plan may include to make all presidents of international societies participate in the next INSC meetings and to make a proper agenda for nuclear future.

I want John Kelly, president of the ANS take the leadership to initiate action for building network. KNS and AESJ may work together to support the ANS.



39 members signed for Nuclear for Climate in 2015

(2) Student exchange program as a cooperative HRD program

From the point of graduate students, most of students want to have a chance to work abroad either in full-time job or temporary internship. Right now, we have very excellent undergraduate and graduate students who are well qualified for the international research position.

As you aware of Korean nuclear industry situation, the opening of new positions in nuclear research institutes and also industrial companies is limited all of sudden because of government policy change. We believe that this situation will be tuned back near soon.

Building up of the student exchange program at both societies will be beneficial for both countries. I believe that both nuclear societies can be headquarters for developing, selection of students, managing of the HRD program. I suggest the following two levels of student exchange for realization.

- One is for graduate students in Master or Ph.D. courses in nuclear engineering programs. Each society selects and sends students to the national labs or

universities for the summer two months. Visa and stipend may be covered by the host institutes, but travel expenses by sending society.

- The second program is an internship program for Ph.D. graduates who are willing to work outside more than one year. Host institutes have privilege to announce, receive applications, select and hire potential applicants.

In this case, unfortunately Korean institutes do not have enough openings to host American graduates at this moment.

This is very wild idea to be tuned after intensive study. At this moment, intention of student exchange should be justified and agreed each other for further development.

(3) KNS 50th year celebration event in May 2019

As the president of the KNS, I want to invite the president of the ANS to our 50th year celebration event scheduled in May 23, 2019. Tentative agenda asks ANS president should deliver a 30 min talk about national programs in a special session. He may also give a brief congratulatory address at the following sessions.

We may arrange other activities during his visit, such as site tour or invited seminars.

(4) Request of information about student conferences in ANS

From this fall meeting of the KNS, we established student conference which is focused on presentation of UG and Graduate students. KNS supported financially to all events from special lecture, paper presentation sessions, mentor-student meeting and student organization meeting. I want to know the current situation of United States student activities under the guidance of ANS.

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Minutes of ANS–KNS President Bilateral Meeting

*Nov. 13, 2018 at 7:00 pm – 9:00 pm
Italian Restaurant La Luce (Hilton Orlando Bonnet Creek)
Orlando, Florida, USA*

Attendees:

ANS (American Nuclear Society)

- John Kelly (ANS President)
- Robert Fine (ANS Executive Director)
- Luc Van Den Durpel (ANS International Committee Vice Chair)
- Lane Carasik (ANS Student Sections Committee Chair)
- Sarah Morgan (2019 Student Conference Co-Chair)

KNS (Korean Nuclear Society)

- Kim, Myung-Hyun (KNS President, Prof. at Kyung Hee University)
- Jeong, Yong-Hun (KNS Communication Committee Chair, Prof. at KAIST)
- Kim, Man Cheol (KNS Student Sections Committee Chair, Prof. at Chung-Ang University)
- Joo, Han-gyu (Prof. at Seoul National University)
- Kim, Yong Hee (Prof. at KAIST)

Discussions on Main Topics:

(1) Support INSC activities for the declaration of nuclear for climate

KNS President Kim explained current situation of Korea and asked ANS President Kelly to work for revitalization of INSC. There is a strong need to work together for the declaration of Nuclear option for climate change action. Both sides agree that the voices outside of the nuclear community is important. However, the U.S. side explained difficulties in ANS President's attending the next meeting of International Nuclear Societies Council (INSC).

(2) Student exchange program as a cooperative HRD program

Both sides agree on the proposed student exchange program by providing Visa and stipend from the host institutes and travel expenses from sending society. Both sides

also agree to exchange information on student opportunities such as internship openings to the other side.

The U.S. side expressed its opinion that some national laboratories such as Oak Ridge National Laboratory (ORNL) or Argonne National Laboratory (ANL) may have interests in expanding their internship program to the international community. The U.S. side also recommended to contact Prof. Kord Smith (KEPCO Professor at MIT), Prof. John Lee (University of Michigan) or Dr. Yoon Il Chang (Ex-vice-director of ANL) to seek possible internship programs for Korean students.

Both sides exchanged e-mail contacts to continue discussions on further expansion of student exchange program.

(3) KNS 50th year celebration event in May 2019

Upon the KNS President's invitation of ANS President to KNS 50th year celebration event, the U.S. side explained possible scheduling issues around the event and difficulties in long-distance travel, but mentioned that it will consider possible participation of ANS President to the celebration event.

(4) Request of information about student conferences in ANS

Upon the request of the information on ANS Student Conference, the U.S. side explained about the next ANS Student Conference, as follows:

- Will be held at Virginia Commonwealth University (VCU) in Richmond, Virginia
- About 500 participants are expected, mostly undergraduate and graduate students
- Fund raised up to \$0.5M, mostly from private industry side (ANS support is \$60K).

The U.S. side explained that there were international student participants such as those from KTH (Royal Institute of Technology in Stockholm, Sweden) to ANS student conference. Both sides agreed to exchange information about student conferences and have students attend each other's student conference.

