

The 20th East Asia Round Table Meeting Minutes

15:30-18:00 September 27, 2017 at Busan, Korea

Attendees

NAEK

KWON Oh-Kyong, President of NAEK
CHAR Kookheon, Executive Vice President of NAEK
LEE Kunwoo, Professor, Seoul National University
SHIN Kyungho Chief Researcher, KIST
LEE Inkeun, Visiting Professor, Seoul National University
JOO Young Sup, Former Administrator, Small and Medium Business Administration
OH Young Tae, President, Korea Transportation Safety Authority
LEE Haiwon, Professor, Hanyang University
CHAE Soo Won, Professor, Korea University
SHIN Hoon-Kyu, Vice Director & Professor, National Institute for Nanomaterials Technology, POSTECH
SONG Jongguk, President, Science and Technology Policy Institute
CHO Chinwook, Chairman, Miwon Commercial Co., Ltd.
LEE Choonman, Professor, Changwon National University
PARK Yeong, NAEK
KIM Narai, NAEK

CAE

LIU Xu, Vice President, Chinese Academy of Engineering
YU Yixin, Tianjin University, Professor / CAE Member
JIAO Bingli, Professor, Peking University
CHENG Jiayi, Deputy Director-General, Department of International Cooperation, CAE
FAN Guimei, Deputy Director, Office of IT and Electronics Division, CAE
DENG Erhu, Program Officer, Department of International Cooperation, CAE

EAJ

KOIZUMI Hideaki, Executive Vice President, EAJ
OWADANO Yoshiro, Emeritus Resaercher AIST
MISHIMA Nozoumu, Professor, Akita University
NAGAI Kotobu, Associate Executive Director and Chair of the Committee on International Affairs, EAJ
CHIBA Yasunori, Executive Officer and Deputy Project Division Director, JX Engineering Corporation
SUGA Hiroyuki, Project Engineer, JX Engineering Corporation
MATSUMOTO Koji, Project Manager, JX Engineering Corporation

ATSE

Kaye BASFORD, Vice President, Australian Academy of Technology and Engineering
Carolyn O'Brien, Senior International Relations and Policy Officer, Australian Academy of Technology and Engineering

AAET

Tin LATT, Director General, Myanmar Engineering Society / ASEAN Academy of Engineering and Technology

Agenda

1. **Greetings by NAEK President**
2. **Academies Current Activities Introduction**

Three member academies and two observer academies shared their recent activities and areas of interest.

National Academy of Engineering of Korea

Dr. SHIN Kyung Ho

NAEK introduced the organization, members, and other new business. There are 1,023 members in NAEK, well-represented with 50% from academia and 50% from industry.

Last year, the NAEK Next Generation Award was newly introduced as a prize for those in their 20s and 30s who have made technological breakthroughs and outstanding achievements as entrepreneurs and leaders for a better society. NAEK selects 100 Technologies and their engineers to acknowledge and encourage the efforts and achievements of young engineers. The NAEK Next Generation Award is currently divided into two areas: Economic Implications and the Quality of Human Life. The whole list of technologies and engineers will be out in late December, and award ceremony will be held at that time as well.

The INAE (India)-NAEK joint workshop and the acatech-NAEK Conference were introduced as new activities.

Chinese Academy of Engineering

Mr. CHENG Jiayi

CAE currently has 820 domestic members and 48 foreign members, and will have more members at the end of the year. CAE aims to carry out strategic studies as a national think tank on engineering. CAE has recently run five strategic study groups: Towards a Strong Manufacturing Country, Ecological Civilization, A New Type of Urbanization, Strategic Emerging Industries & Technologies, and Artificial Intelligence 2.0

The new Generation of Artificial Intelligence Development Plan announced by the Chinese government on July 2017, is largely based on the output of CAE's "Strategic research on the development of AI 2.0" project. CAE has also been playing a significant role in the expert advisory committee on the collaborative development of Beijing, Tianjin and Hebei, which have provided strong support for the decision-making of the Xiongan New Area by the government.

International activities such as the IEID forum, Sino-French Joint Recommendation, G20 Report, Sino-German Workshop, China-America Frontiers of Engineering (CAFOE), Leaders in Innovation Fellowship, UK-China Industry Academia Partnership Programme (IAPP) were introduced.

Engineering Academy of Japan

Dr. NAGAI Kotobu

Established in 1987, EAJ marks its 30th anniversary this year. EAJ is reviewing its mission and restructuring its organization structure. There are 703 members, and EAJ is planning to invite more foreign members, more female members, and more industrial members, especially those from venture companies.

The interdisciplinary members of EAJ study and discuss engineering solutions for upcoming difficult problems and issue directional recommendations, such as an emergency proposal on ideas to halt and recover from the decline in the engineering and science power of Japan.

In addition, EAJ is supporting young leaders through the programs of JAFOE (Japan-America Frontiers of Engineering) and ERLEP (Australia-Japan Emerging Research Leaders Exchange Program).

Australian Academy of Technology and Engineering (ATSE)

ATSE has over 800 members, who are elected for their excellence and achievement in engineering and applied sciences; the members comprise 40% from academia, 40% from industry, and 20% from government. Currently 20% of ATSE members are female, and ATSE plans to expand that number.

The key strategies of ATSE were introduced: Ensuring Industry Technology Readiness; Enhancing Technology and Engineering Career Paths; Improving STEM Education; Achieving Greater Gender Equity and Diversity; Connecting Globally for the Benefit of Australia; Celebrating Technology, Maintaining Engineering and Innovation Excellence; Amplifying Impact; and Strengthening Engagement.

ASEAN Academy of Engineering Technologies (AAET)

AAET has held the 4th Korea-ASEAN Engineering Forum, lectures, the Kuala Lumpur Engineering Science Fair, and the 7th China-ASEAN Engineering Project Cooperation & Development Forum. The 5th Korea-ASEAN Engineering Forum will be held in Myanmar in December, 2017 and the next Kuala Lumpur Engineering Science Fair will be held November, 2018.

3. Discussion on the Joint Survey on “the Smart City”

Dr. JOO Young-sup reported the result of the survey

Overview of Survey 2017

The objective of the Survey is to gain perspectives and opinions from National Engineering Academy members in China, Japan and Korea and to provide governments, public and private sectors with appropriate advice and recommendations for the expansion of cooperation among the three countries

This year’s theme was the Smart City, and 410 members responded from China (159), Japan (81), and Korea (170). The technology cooperation index shows a big decrease in 2017, especially in Korea and China. The levels of cooperation (quantity and quality) are relatively low, but the need and expectations for cooperation are still high, and future prospects and potentials are relatively stable. Therefore actions to strengthen, facilitate and expand cooperation are necessary.

Spread of Outcomes in 2017

The final report will be effectively promoted to governments and other interest parties by the end of December.

4. 21st RTM Proposal

CAE proposed that a future meeting to be held in Hangzhou, China on Oct 25-26, 2018. The theme will be ‘The Next Generation of AI’.

Close of meeting.