



Council Meeting Minutes

Thursday, November 16, 2017 – 09:00—13:30

Real Academia de Ingeniería
Calle Don Pedro, 10, 28005 Madrid, España

Member Participants

Argentina (ANI): Osvaldo Josue Postiglioni
Australia (ATSE): Hugh Bradlow, Matt Wenham
Belgium (BACAS): Archiel Van Cauwenberghe
Canada (CAE): Robert Evans
China (CAE): Xiaohong Li, Shukai Jiang, Jiayi Cheng, Hongtao Ren, Erhu Deng
Croatia (HATZ): Zdravko Terze, Vladimir Androcec
Czech Republic (EA CR): Milos Hayer, Petr Zuna
France (NATF): Bruno Revellin-Falcoz, Alain Bravo
Hungary (HAE): István Králik
Germany (ACATECH): Frank Behrendt, Patrick Hartmann
India (INAE): Mathur Ajay, Bryana Nagappa Suresh, Rajan Minocha, Vipparthi Adimurthy
Japan (EAJ): Hideaki Koizumi, Kotobu Nagai
Korea (NAEK): Kyungho Shin, Inkeun Lee, Narai Kim
Mexico (AI): Jaime Parada
Netherlands (AcTI.nl): Lucas Noldus
Norway (NTVA): Lars Dyrhaug
Slovenia (IAS): Stane Pejovnik
South Africa (SAAE): Truman Goba, Felix Reinders, Bob Pullen, Mike Shand
Spain (RAI): Elias Fereres, Jaime Domeniguez, Javier De Vargas??, Pere Brunet, Enrique Cerda Olmedo
Sweden (IVA): Magnus Breidne
Switzerland (SATW): Hugli Rolf, Ulrich Suter
United Kingdom (RAEng): Dame Ann Dowling, Samantha Frost, Andrew Clark, David Thomlinson, Shane McHugh
Uruguay (ANIU): Lucio Cáceres, Adriana Gamboggi
United States (NAE): Dan Mote, Ruth David

Observers

Nigeria: Adetokundo Denloye, Rasaki Afolabi Lasisi
Pakistan: Jameel Ahmad Khan

1. Welcome and Introductions

a. Remembrance: William J. Salmon

The President opened the meeting and invited self-introductions by the participants. He then offered comments in remembrance of Bill Salmon, who had served as the CAETS Secretary/Treasurer since its incorporation in 2000.

2. Approval of Agenda

The agenda was approved as presented.

3. Approval of Council Minutes of 15 September 2016

The Council Minutes were approved as presented. The President noted that the Executive Committee and Board had approved their respective minutes on Monday, with an addendum to the EXCOM minutes noting that the video produced subsequent to the CAETS 2016 annual meeting was posted in lieu of a traditional CAETS Statement, although RAEng did post a brief statement on their website. That statement will be circulated for endorsement by CAETS.

4. Report of the 13 November 2017 Meeting of the Board of Directors

- a. **2016 Audit Committee Report**
- b. **2018 Operating Budget**
- c. **Rotation Schedule**
- d. **CAETS/WFEO Cooperation**
- e. **InterAcademy Partnership**
- f. **CAETS Theme and Discussion Topics Going Forward**

The Secretary/Treasurer reported that the Board had received the 2016 Audit Committee Report noting a clean opinion. The base operating budget for 2018 was approved; a small group was tasked to perform additional analysis prior to proceeding with an upgrade of the CAETS website. The updated rotation schedule was provided for information; it was noted that Board Member nominations for 2019 will be solicited from Argentina, Finland, China, and India. The topic of CAETS/WFEO cooperation was deferred pending the outcome of the Council discussion on Diversity and subsequent assessment of Member interest in scoping a CAETS project on that topic. The Board endorsed continued use of the “Engineering a Better World” theme by CAETS, and identified three topics that could form the basis for future discussions and/or committees: 1) How do engineering academies communicate with the public? 2) Engineering Education—what transformations are needed/underway? 3) Engineering for Sustainable Development Goals. The Secretary/Treasurer agreed to survey Members to elicit their interest in these topics in advance of the 2018 annual meeting.

5. Administrative Actions

- a. **Election of Board Members for 2018**
- b. **Approval of 2019 Dues**
- c. **Future CAETS Meeting Schedule**
 - i. **2018 Annual Meeting: ANIU, Uruguay – September 10-14, 2018**
 - ii. **2019 Annual Meeting: IVA, Sweden – June 24-28, 2019**
 - iii. **2020 Annual Meeting: NAEK, South Korea**

The Council elected the following Board Members for terms beginning in 2018: Tuula Teeri (President-elect), IVA; Roger McCarthy, NAE; Lucas P. J. J. Noldus, AcTI.nl; Stane Pejovnik (IAS); István Králik, (HAE); and Ruth David (Secretary/Treasurer), NAE. The EXCOM reviewed and recommended approval of the 2019 dues schedule, which reflects a 3% increase as agreed upon in 2016; the Council approved the schedule as presented. It was noted that later agenda items include updates on the 2018 and 2019 Annual Meetings and that the Council will hear more about the 2020 Annual Meeting, to be hosted by NAEK, during the coming year.

6. Report of CAETS Committee on Energy

Frank Behrendt (ACATECH) provided a brief update on the work of the Energy Committee, noting that he had agreed to chair the effort when the previous chair needed to step aside to accommodate the demands of work assignments. He noted that minutes of all meetings will be provided and that the intent is to deliver a report to CAETS members by the time of the 2018 Annual Meeting.

7. Progress Report on New Zealand Application for CAETS Membership

Matt Wenham, ATSE, provided a brief update on behalf of the Royal Society of New Zealand with regard to the restructuring underway that will provide clear parity between TASE (technology, applied science and engineering) and other science domains. Changes underway affect both elections and governance and are intended to position TASE to apply for CAETS membership.

8. CAETS 2018 Update: ANIU, Uruguay

Lucio Caceres provided an update on the planning underway for the 2018 Annual Meeting; charts are posted on the CAETS website. He solicited help from member academies including particularly their assistance in nominating speakers who could address convocation topics in the broad areas of sustainable agriculture and forestry.

9. CAETS 2019 Update: IVA, Sweden

Magnus Breidne provided an overview of potential topic areas for the 2019 Convocation; charts are posted on the CAETS website. He noted that 2019 marks the 100th anniversary of their founding and that other anniversary-related events are planned. He invited CAETS member participation in their planning committee.

10. New Business

Members expressed interest in ensuring that the Rotation Schedule and CAETS Financial Statements and Budgets are available to all Council members. The Secretary/Treasurer noted that the information is posted on the website as background information for EXCOM and Board members but is readily accessible by all members; in the future it will also be included in the Council background information section. It was observed that when organizing the technical agenda for future CAETS Annual Meetings, the appropriate lexicon is 'symposium' for a 1-day meeting and 'convocation' for a 2-day meeting.

Break: Reconvene in Closed Session**11. Change to Bylaws**

The Council approved the previously agreed upon change to the CAETS Bylaws regarding new member applications:

ARTICLE 2 – Council Membership

Section 4 – Procedures for Admission of New Members

Applications for admission will normally be accepted for consideration no earlier than three years after the official date of establishment of the applicant, with Council Flexibility for up to 5 years at its discretion.

12. Membership Application Pending: Pakistan

The EXCOM reported its assessment that alternatives to a site visit could provide sufficient due diligence evaluation of the readiness of the Pakistan Academy to become a member of CAETS. Noting the substantial value of a CAETS site visit to the prospective member academy, the Council determined that a site visit was important and should be augmented by the proposed due diligence alternatives.

Reconvene in Open Session**13. Broadening the Vision II****a. Ethics in Engineering**

This session included a panel discussion of the various aspects of Ethics in Engineering, observing that the importance of ethical practices grows as technology gets closer to humans. Panelists also emphasized the need to introduce ethics at a very young age. The panel was moderated by Pere Brunet, Professor of the Polytechnic University of Catalonia, Spain, and included Dawn Bonfield, RAEng Visiting Professor of Inclusive Engineering, Aston University Towards Vision, University of Bath, Stevenage, United Kingdom; Carme Torras, Professor of Research of the Spanish Scientific Research Council, Spain; and Hideaki Koizumi, Honorary Fellow, Hitachi, Ltd., Japan. Each panelist shared their perspectives and invited questions.

b. Diversity in Engineering

David Thomlinson provided an overview of the RAEng's Diversity and Inclusion Programme, which is focused on understanding the extent to which engineering and related organizations are inclusive and nurture diversity of all kinds. He shared with the Council a "Diversity and Inclusion Progression Framework for Professional Bodies." The framework describes four levels of good practice for each of eight areas in which diversity should be considered and can be used for planning and assessing progress. Council members were then invited to share their respective programs and initiatives targeting the increase of diversity in engineering.

14. Presentation of Certificates in Recognition of CAETS Service

The Council expressed its gratitude to Dame Ann Dowling (RAEng) for her three years of leadership on the Executive Committee and Board as President-elect, President, and Past President. It then recognized the service of Paul Verstraetan (BACAS), Hideaki Koizumi (EAJ), Martin Philip Bendsoe (ATV), and Jaime Parada (AI-Mexico), each of whom completed their two years of service on the CAETS Board of Directors.

The Council Meeting was adjourned.