



CAETS Council Minutes

24 September 2021

Virtual Meeting: 0830 – 1200 (ART)

Welcome and Introductions

Manuel Solanet

CAETS President Manuel Solanet opened the virtual meeting at 0830 ART by welcoming all participants and providing a brief description of the key themes from the technical symposium held during the prior three days.

1. **Action:** Approval of Agenda Ruth David

The meeting agenda was approved as presented.

2. **Action:** Approval of Council Minutes of 15 October 2020 Ruth David

The minutes from the annual Council meeting held on 15 October 2020 were approved as presented.

3. Report from the 20 September 2021 Meeting of the Board Ruth David

a. Information: 2020 Financial Audit Report

The Treasurer reported that the 2020 Financial Audit was completed with no issues identified by the Audit Committee. A copy of the Financial Summary, signed by Audit Committee Chair David Thomlinson, was provided in the Council materials.

b. Information: Approved 2022 Operating Budget

The Treasurer reported that the 2022 Operating Budget was approved by the Board during its meeting on 20 September 2021. A copy of the budget was provided in the Council materials.

c. Information: Options for international funds transfers

The Treasurer noted that, at member request, a number of alternatives for international funds transfers had been investigated. Findings indicated that available options either lacked full coverage for all CAETS member academies or would be significantly more costly to implement.

d. Information: Review of CAETS Dues Structure

The Treasurer reported that during its meeting on 20 September the Board agreed to appoint an ad hoc group to review the CAETS dues structure to ensure equity across members and facilitate member development. The Board was assigned responsibility for the review process and is to formulate a recommendation for consideration by the Council during its 2022 Annual Meeting. The group will be led by a representative from Sweden, and will include participation by



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representatives from the United Kingdom, Korea, Argentina, and South Africa.

4. Administrative Items

Ruth David

a. Action: Approval of 2022 Rotation Schedule

It was noted that AcTI (Netherlands), HAE (Hungary), RAI (Spain), and AESS (Serbia) would be asked to nominate Board members for the 2023-2024 term, and that the President-Elect would be nominated by Finland. The 2022 Rotation Schedule was approved as presented.

b. Action: Approval of 2022-2023 Dues Schedule

It was noted that the Dues Schedule was unchanged; it was approved as presented.

c. Information: Future CAETS Meeting Schedule

i. 2022: Paris, France – 26-30 September 2022

ii. 2023: Zagreb, Croatia – September 2023

iii. 2024: Helsinki, Finland – 1-4 July 2024

Dates for upcoming CAETS meetings were provided; it was noted that subsequent agenda items would provide more information about these upcoming events.

5. **Action:** Election of Board Members for 2022-2023

Ruth David

Biographical information was provided in Board Materials for the nominees listed below. The slate of Board Members for the 2022-2023 term was elected as presented.

President-Elect: Prof. Neven Duic, HATZ

Board Member: Professor Emeritus Nils O Andersen, ATV

Board Member: Mr. Robert (Bob) Pullen, SAAE

Board Member: Distinguished Professor Geoff Chase, NZ

Board Member: Professor Emeritus Torbjorn Digernes, NTVA

6. Report: Communications Committee

Hugh Bradlow

Hugh Bradlow reported that committee leadership had met monthly throughout the year and that the full committee met most recently on 17 September 2021.

The primary work of the committee during 2021 was establishment of the CAETS Communications Prizes. He noted that in the Engineering Success Stories category, 6 entries were received; in the High Potential Innovations category, 4 entries were received. Awards were presented to the winning entries during the technical symposium. Winners were: Professor Jing



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Cheng, Chinese Academy of Engineering; and Mr. Kaz Vermeer, Netherlands Academy of Technology and Innovation.

With the hope of attracting more entries in 2022, ATSE committed to provide a marketing and communications kit to participating academies to support local entries. He also encouraged Academies to seek sponsorship from government or business in order to defray the cost of video development.

7. Report: Energy

Yves Bamberger

Yves Bamberger described the 2021-2022 Action Plan for Energy, which focuses on the theme “Towards Energy Consumption with Low Carbon Emissions” and intends to deliver a report prior to the 2022 Annual Meetings. Group and sub-group meetings were ongoing throughout the year and scheduled into 2022.

8. Report: Sustainable Development Goals

David Thomlinson

David Thomlinson reported that the SDG Working Group met three times in 2021 to facilitate exchange between member academies on how engineers can help achieve SDGs. Meetings featured presentations from member academies and discussions on potential deliverables. A survey was conducted in June 2021 to reveal CAETS academies’ experiences of working with governments and political bodies on sustainability issues.

He also reported that the group aims to publish a CAETS-level statement later in 2021 to promote the role of engineering in achieving the SDGs; publication is intended to coincide with COP26 (2021 United Nations Climate Change Conference). The overarching goal of this working group is to “promote and advance the pivotal role of engineering in achieving the UN SDGs.”

9. Report: Diversity and Inclusion

David Thomlinson

David Thomlinson summarized activities of the Diversity and Inclusion Working Group, which met early September 2021. During that meeting the discussion focused on “engaging difficult to reach sectors and groups on D&I.” The group also identified issues for future focus, which included engaging majority groups and keeping D&I on the priority list of decision-makers.

10. Report: Engineering Education

Jesse Zhu

Jesse Zhu reported that the working group met on 17 September 2021. Discussion topics focused on what the group could do to promote Engineering Education and ways to strengthen CAETS’



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position by contributing to Engineering Education on the world stage. Action items stemming from the discussion included preparation of a charter for the working group; seeking broader participation and presentations from member academies regarding their related activities; and the intent to hold quarterly meetings in 2022.

11. Information: CAETS 2022 Status Update – Paris, France Bruno Revellin-Falcoz
Bruno Revellin-Falcoz reported that planning for CAETS 2022, which will be held in Versailles from 26-29 September 2022, is well underway. The technical symposium theme is “Engineering a Better World – Breakthrough Technologies for Healthcare.” The Board Meeting and Committee Meetings are scheduled for Monday, 26 September; the symposium is scheduled for 27-28 September; and the Council Meeting is scheduled for 29 September and will be followed by a visit of the Chateau de Versailles from a specific technical perspective.

12. Information: CAETS 2023 Status Update – Zagreb, Croatia Nevin Duic
Nevin Duic provided a brief overview of plans for CAETS 2023, which will include a working group on decarbonization of mobility and a one-day technical symposium on e²-mobility. Exploratory work on founding technical academies of science in countries of Southeast Europe also is underway.

13. Information: CAETS 2024 Status Update – Helsinki, Finland Panu Nykanen
Panu Nykanen described preliminary plans for CAETS 2024, which will be held in Helsinki, Finland on 1-4 July 2024. The theme for the technical symposium is “Carbon Neutral Technologies and Society.” Meetings will be held at the Main building and the Central campus of the University of Helsinki.

14. CAETS Strategy and Operating Guidelines Ruth David
 - a. **Action:** Approval of changes to CAETS Bylaws
Proposed amendments to CAETS Bylaws were disseminated to all member academies on 17 June 2021 to provide the required 90-day notice period; amendments were approved through a unanimous vote by member representatives present and voting. Changes occurred in Article 1. Objectives; Article 2, Section 5. Meetings (Council); and Article 3, Section 1. Functions (Board).



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b. Action: Endorsement of Preliminary Operating Guidelines
Preliminary Operating Guidelines were disseminated to all member academies on 17 June 2021. The Council approved implementation of these guidelines, understanding that periodic updates are likely.

15. New Business

Manuel Solanet

CAETS President Solanet invited identification of new business from the floor; no items were raised.

16. Recognition of CAETS Service

Manuel Solanet

CAETS President Solanet presented (virtually) certificates in recognition of service to CAETS to the individuals listed below.
Oh-Kyong Kwon, Officer (2019-2021), President 2020, Korea
Hideaki Koizumi, Board (2020-2021), Japan
David Thomlinson, Board (2020-2021), United Kingdom
Jose Albarran, Board (2020-2021), Mexico
Peter Mascher, Board (2020-2021), Canada

CAETS President Manuel Solanet adjourned the meeting at 1145 ART.

Council Meeting Participants

Argentina: Manuel Solanet, Oscar Vignet
Australia: Hugh Bradlow, Kylie Walker, Samires Hook
Canada: Peter Mascher, Robert Crawhall, Jesse Zhu
China: Ren Hongtao, Zhu Yu, Tian Qi, Wang Chen
Croatia: Neven Duic, Vladimir Mrsa, Vladimir Androcec
Denmark: Martin Bech, Nils O. Andersen
Finland: Panu Nykanen
France: Bruno Revellin-Falcoz, Pascal Viginier, Gerard Creuzet, Yves Bamberger
Germany: Frank Behrendt
India: Lt. Col. Shobhit Rai, Indranil Manna
Ireland: Tom Leahy
Japan: Hideaki Koizumi, Koichi Morimoto, Yuko Harayama
Korea: Oh-kyong Kwon, Narai Kim, Shinhye Kim, Inkyu Lee
Mexico: Monica Barrera
Netherlands: Lucas Noldus
New Zealand: Geoff Chase
Nigeria: Alexander Ogedegbe, Peter Onwulu
Pakistan: Jameel Ahmad Khan
Serbia: Biljana Stojanovic
Slovenia: Stane Pejovnik
South Africa: Elsabe Kearsley, Bob Pullen
Spain: Jaime Dominguez
Sweden: Tuula Teeri, Elin Elliot
Switzerland: Rita Hofmann
United Kingdom: David Thomlinson, Ben McAlinden
United States: John Anderson
Uruguay: Julio Fernandez, Adriana Gambogi
CAETS Secretariat: Ruth David