



## EXCOM Meeting Agenda

September 2020

VIA EMAIL

### EXCOM Members

Oh-Kyong Kwon, President  
Manuel Solanet, President-Elect  
Tuula Teeri, Past-President  
Ruth David, Secretary/Treasurer

### Additional Participants

Shinhye Kim  
  
Elin Elliot

1. Approval of agenda
2. EXCOM Minutes of June 2019  
**Action:** Approval
3. Report of the Secretary/Treasurer
  - a. **Information:** 2020 Dues Receipts
  - b. **Information:** 2021-2022 Dues Schedule (no changes)
  - c. **Information:** 2021 Rotation Schedule
  - d. **Information:** 2021-2022 Board Nominees
4. 2020 CAETS Annual Meetings Status Update
5. 2021 CAETS Annual Meeting Status Update
6. 2022 CAETS Annual Meeting Status Update
7. **Information:** Member Applications
  - a. Ireland Application Summary
  - b. IAE Visiting Committee Agenda
  - c. **Action:** Initial Dues Recommendation to Council
8. New Business



## EXCOM Meeting Minutes

June 2019 – Conducted via email

### EXCOM Members

Tuula Teeri, President  
Oh-Kyong Kwon, President-Elect  
Lucio Caceres, Past-President  
Ruth David, Secretary/Treasurer

### Additional Participants

Magnus Breidne (IVA)  
Narai Kim (NAEK)  
Adriana Gambogi (ANIU)

1. Welcome and approval of agenda

No changes to the agenda were proposed by EXCOM members.

2. EXCOM Minutes of 14 March 2019

Meeting Minutes from 14 March 2019 were approved as presented.

3. Report of the Secretary/Treasurer

a. Information: 2019 Dues Receipts

A spreadsheet showing 2019 dues receipts was provided to members; it was noted that all but two member academies had paid their dues. The Secretary/Treasurer will continue to follow up with the remaining two academies.

b. Information: 2020-2021 Dues Schedule

**Action:** Consider Board-Chartered Task Force to analyze dues schedule going forward  
It was noted that the 2021 dues schedule to be approved on 27 June would reflect a continuation of the 2019-2020 dues. It was agreed that no action to analyze the dues schedule would be initiated at this time.

c. Information: Rotation Schedule

It was noted that the current rotation schedule changed due to decisions by two member academies (Czech Republic and Norway) to defer their nomination of Board Representatives for the 2020-2021 cycle. Mexico and Japan, previously scheduled to nominate for the 2021-2022 cycle agreed to advance their nominations for the 2020-2021 cycle instead. This change impacts the rotation sequence for subsequent years as well.

d. Information: 2020-2021 Board Nominees

Biographical information was provided for 2020-2021 Board nominees.

4. 2019 CAETS Annual Meetings Status Update

a. 2019 CAETS “Reflections”

CAETS President Tuula Teeri proposed that in lieu of a formal CAETS Statement, she would prepare a personal reflection of key points and themes from the technical symposium. This document would be available for dissemination shortly after the end of the meetings and would be presented as an IVA summary rather than a CAETS statement (requiring Council approval).



## EXCOM Meeting Minutes

### 5. 2020 CAETS Annual Meeting Status Update

It was reported by NAEK that planning is well underway for CAETS 2020 and that a full update will be presented to the Council during its annual meeting.

### 6. 2021 CAETS Annual Meeting Status Update

Written materials received from Argentina, host of CAETS 2021, were provided. A more complete update will be presented to the Council during its annual meeting.

### 7. Information: Member Applications

#### a. New Zealand

Action: Initial Dues Recommendation to Council

#### b. Nigeria

Action: Initial Dues Recommendation to Council

#### c. Serbia

Action: Initial Dues Recommendation to Council

The Secretary reported that the 3 Visiting Committees had completed their work and recommended election of New Zealand, Nigeria, and Serbia as members of CAETS. The EXCOM agreed to recommend to the Council that all three candidates be brought in at the lowest tier of dues (\$1030 USD).

### 8. New Business

There was no consideration of New Business.

## CAETS 2020 Dues Receipts

Country	Academy		2019	2020*	Amount	Date	Method
Argentina	Academia Nacional de Ingeniería	ANI	1030	1030	1,030.00	1/28/2020	Wire
Australia	Australian Academy of Technological Sciences and Engineering	ATSE	6180	6180	6,174.00	12/4/2019	Wire
Belgium	Royal Belgium Academy of Applied Sciences	BACAS	2060	2060	2,060.00	1/23/2020	Wire
Canada	Canadian Academy of Engineering	CAE	3090	3090	3,170.00	1/31/2020	Wire
China	Chinese Academy of Engineering	CAE	6180	6180	6,180.00	4/13/2020	Wire
Croatia	Croatian Academy of Engineering	HATZ	1030	1030	1,030.00	1/15/2020	Wire
Czech Republic	Engineering Academy of the Czech Republic	EA CR	1030	1030			
Denmark	Danish Academy of Technical Sciences	ATV	3090	3090	3,070.00	2/3/2020	Wire
Finland	Technology Academy Finland	TAF	3090	3090	3,090.00	3/2/2020	Wire
France	National Academy of Technologies of France	NATF	3090	3090	3,090.00	3/10/2020	Wire
Germany	German Academy of Science and Engineering	acatech	3090	3090	3,090.00	2/18/2020	Wire
Hungary	Hungarian Academy of Engineering	HAE	1030	1030	1,005.00	1/10/2020	Wire
India	Indian National Academy of Engineering	INAE	6180	6180	6,180.00	2/7/2020	Wire
Japan	The Engineering Academy of Japan	EAJ	6180	6180	6,180.00	1/9/2020	Wire
Korea	The National Academy of Engineering of Korea	NAEK	3090	3090	3,090.00	1/23/2020	Wire
Mexico	Academy of Engineering, Mexico	AI	3090	3090			
Netherlands	Netherlands Academy of Technology and Innovation	AcT.nl	2060	2060	2,045.00	3/20/2020	Wire
New Zealand	Royal Society Te Aparangi			1030	1,030.00	12/10/2019	Wire
Nigeria	Nigerian Academy of Engineering	NAE		1030	1,080.00	1/16/2020	Wire
Norway	Norwegian Academy of Technological Sciences	NTVA	3090	3090			
Pakistan	Pakistan Academy of Engineering	PAE	1030	1030	1,013.00	1/6/2020	Wire
Serbia	Academy of Engineering Sciences of Serbia	AESS		1030	1,030.00	3/10/2020	Wire
Slovenia	Slovenian Academy of Engineering	IAS	1030	1030	1,030.00	10/16/2019	Wire
South Africa	South African Academy of Engineering	SAAE	1030	1030	1,030.00	2/14/2020	Wire
Spain	Royal Academy of Engineering, Spain	RAI	3090	3090	3,074.25	8/4/2020	Wire
Sweden	Royal Swedish Academy of Engineering Sciences	IVA	3090	3090	3,070.00	2/4/2020	Wire
Switzerland	Swiss Academy of Engineering Sciences	SATW	3090	3090	3,075.00	1/30/2020	Wire
United Kingdom	Royal Academy of Engineering, UK	RAEng	6180	6180	6,155.00	8/3/2020	Wire
United States	National Academy of Engineering, US	NAE	6180	6180	6,180.00	1/16/2020	Check
Uruguay	National Academy of Engineering of Uruguay	ANIU	2060	2060	2,000.00	12/13/2019	Wire
			84460	87550	80,251.25		

\* Includes dues for 3 members elected in 2019 (\$1030 each)

13 September 2020

## CAETS 2020 Dues Receipts

South Africa	2021 Dues Prepaid		1030	1015	2/18/2020	Wire
Spain	2019 Dues paid in 2020			3074.25		
	2020 Dues paid in 2020			<u>3074.25</u>		
				6148.50	8/4/2020	Wire
Reconciliation	2020 Dues paid in 2019			10,234.00		
	2020 Dues paid in 2020			<u>70,017.25</u>		
				80,251.25		
Czech Republic	2020 Dues Not Received to Date	1030				
Mexico	2020 Dues Not Received to Date	3090				
Norway	2020 Dues Not Received to Date	<u>3090</u>				
		7210		7,210.00		
	Dues Payment Deviations - Excess (2 members)	130.00				
	Dues Payment Deviations - Shortfalls (10 members)	<u>218.75</u>				
		(88.75)		88.75		
	<b>Total Dues Payable (Reconciliation)</b>			<b>87,550.00</b>		

\* Includes dues for 3 members elected in 2019 (\$1030 each)

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## CAETS Dues Schedule

Country	Academy		2018	2019	2020	2021	2022
Argentina	Academia Nacional de Ingeniería	ANI	1000	1030	1030	1030	1030
Australia	Australian Academy of Technological Sciences and Engineering	ATSE	6000	6180	6180	6180	6180
Belgium	Royal Belgium Academy of Applied Sciences	BACAS	2000	2060	2060	2060	2060
Canada	Canadian Academy of Engineering	CAE	3000	3090	3090	3090	3090
China	Chinese Academy of Engineering	CAE	6000	6180	6180	6180	6180
Croatia	Croatian Academy of Engineering	HATZ	1000	1030	1030	1030	1030
Czech Republic	Engineering Academy of the Czech Republic	EA CR	1000	1030	1030	1030	1030
Denmark	Danish Academy of Technical Sciences	ATV	3000	3090	3090	3090	3090
Finland	Technology Academy Finland	TAF	3000	3090	3090	3090	3090
France	National Academy of Technologies of France	NATF	3000	3090	3090	3090	3090
Germany	German Academy of Science and Engineering	acatech	3000	3090	3090	3090	3090
Hungary	Hungarian Academy of Engineering	HAE	1000	1030	1030	1030	1030
India	Indian National Academy of Engineering	INAE	6000	6180	6180	6180	6180
Japan	The Engineering Academy of Japan	EAJ	6000	6180	6180	6180	6180
Korea	The National Academy of Engineering of Korea	NAEK	3000	3090	3090	3090	3090
Mexico	Academy of Engineering, Mexico	AI	3000	3090	3090	3090	3090
Netherlands	Netherlands Academy of Technology and Innovation	AcT.nl	2000	2060	2060	2060	2060
New Zealand	Royal Society Te Aparangi				1030	1030	1030
Nigeria	Nigerian Academy of Engineering	NAE			1030	1030	1030
Norway	Norwegian Academy of Technological Sciences	NTVA	3000	3090	3090	3090	3090
Pakistan	Pakistan Academy of Engineering	PAE		1030	1030	1030	1030
Serbia	Academy of Engineering Sciences of Serbia	AESS			1030	1030	1030
Slovenia	Slovenian Academy of Engineering	IAS	1000	1030	1030	1030	1030
South Africa	South African Academy of Engineering	SAAE	1000	1030	1030	1030	1030
Spain	Royal Academy of Engineering, Spain	RAI	3000	3090	3090	3090	3090
Sweden	Royal Swedish Academy of Engineering Sciences	IVA	3000	3090	3090	3090	3090
Switzerland	Swiss Academy of Engineering Sciences	SATW	3000	3090	3090	3090	3090
United Kingdom	Royal Academy of Engineering, UK	RAEng	6000	6180	6180	6180	6180
United States	National Academy of Engineering, US	NAE	6000	6180	6180	6180	6180
Uruguay	National Academy of Engineering of Uruguay	ANIU	2000	2060	2060	2060	2060
	<b>Total Dues Payable</b>		<b>81000</b>	<b>84460</b>	<b>87550</b>	<b>87550</b>	<b>87550</b>

2019: Includes 3% increase and 1 New Member

2020: Includes 3 New Members

9/13/2020

## CAETS Rotation Schedule - 2021 - 2022

Member Academy	Date Elected	Annual Meeting Host	Officer			Board			
			President Elect	President	Past President	Board	2020	2021	2022
Korea (NAEK)	2000	2020	2019	2020	2021	2019	Prof. Kwon Oh-Kyong	Prof. Kwon Oh-Kyong	
Argentina (ANI)	1999	2021	2020	2021	2022	2020	Manuel A. Solanet	Manuel A. Solanet	Manuel A. Solanet
France (NATF)	1989	2022	2021	2022	2023	2021		Pascal Viginier	Pascal Viginier
Croatia (HATZ)	2000	2023	2022	2023	2024	2017			NOM (Pres-Elect)
Finland (TAF)	1989	2024	2023	2024	2025	2019	Dr. Panu Nykanen		
Czech Republic (EA CR)	1999	2025	2024	2025	2026	2015	DEFERRED	DEFERRED	
USA (NAE)	1978 (F)	2026	2025	2026	2027	2018			
Norway (NTVA)	1990	2027				2015	DEFERRED	DEFERRED	NOM (2022-2023)
Germany (acatech)	2005					2017		Reinhard Huttli	Reinhard Huttli
Australia (ATSE)	1978 (F)	2005				2019	Prof. Hugh Bradlow		
Belgium (BACAS)	1990	2006				2016		Elisabeth Monard	Elisabeth Monard
Japan (EAJ)	1990	2007				2020	Hideaki Koizumi	Hideaki Koizumi	
Netherlands (AcTI.nl)	1993	2008				2018			
Slovenia (IAS)	2000					2018			
South Africa (SAAE)	2009					2017			NOM (2022-2023)
Canada (CAE)	1991	2009				2020	Peter Mascher	Peter Mascher	
Denmark (ATV)	1987	2010				2016		DEFERRED	NOM (2022-2023)
Mexico (AI)	1978 (F)	2011				2020	Jose Albarran	Jose Albarran	
Switzerland (SATW)	1988	2012				2017		Rita Hofmann	Rita Hofmann
Hungary (HAE)	1995	2013				2018			
China (CAE)	1997	2014				2019	Prof. Li Xiaohong		
India (INAE)	1999	2015				2019	Dr. Sanak Mishra		
United Kingdom (RAEng)	1978 (F)	2016			2017	2020	David Thomlinson	David Thomlinson	
Spain (RAI)	1999	2017	2016	2017	2018	2018			
Pakistan (PAE)	2018					2021		Nasim A. Khan	Nasim A. Khan
Uruguay (ANIU)	2000	2018	2017	2018	2019	2019			
New Zealand	2019								NOM (2022-2023)
Serbia (AESS)	2019								
Nigeria (NAE)	2019								
Sweden (IVA)	1978 (F)	2019	2018	2019	2020	2018	Tuula Teeri		
Secretary/Treasurer	2017						Ruth David	Ruth David	Ruth David

**CAETS President-Elect**

Pascal Viginier

President of NATF

Pascal Viginier, 62 years old, has been elected as president of the French National Academy of Tehnology as of January the 1st, 2019 for 2 years, renewable.

He is an engineer, as graduate of Ecole Polytechnique and Telecom Paris, both now founders of the new Institut Polytechnique de Paris.

His career is focused on telecommunications in Orange Group, where he was Group R&D EVP an then Group Chief Information Officer.

He was appointed 3 years ago advisor to Orange Chairman and CEO, leading customized high level consulting.





**Prof. Dr. Dr. h.c. Reinhard F. J. Hüttl**

*Scientific Executive Director and Chairman of the Board, Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences*

*Vice President, National Academy of Science and Engineering (acatech), Germany*

Prof. Dr. Dr. h.c. Reinhard Hüttl is Scientific Executive Director and Chairman of the Board at the Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences. He is Vice President of the National Academy of Science and Engineering (acatech).

Reinhard Hüttl studied Forest and Soil Sciences at the Albert-Ludwigs-University (ALU), Freiburg, Germany and at the Oregon State University, Corvallis, USA and holds the Chair of Soil Protection and Recultivation at the Brandenburg University of Technology (BTU), Cottbus-Senftenberg since 1993.

Before joining the BTU, Reinhard Hüttl was Assistant Professor in Geobotany at the University of Hawaii in Honolulu, USA and, prior to that, Head of the International Research Department at the mining company “Kali und Salz AG” in the BASF Group in Kassel (1986 to 1992).

Reinhard Hüttl has also held several advisory positions. From 1995 to 2000 he was member of the German Government’s Council of Experts for Environmental Questions, and from 2000 to 2006 both member and chairman of the German Government’s Scientific Commission of the Science Council. He was also member of the German Government’s Ethics Commission on the Safe and Secure Provision of Energy which was established in March 2011 and presented its final conclusions in July 2011. Reinhard Hüttl is member of the BioEconomyCouncil which he chaired from January 2009 to May 2012. This council is an independent advisory body to the German government for all matters relating to the bioeconomy including biotechnology and biomass production. He is currently member of the Scientific Advisory Board on Forest Policy of the Federal Ministry of Food and Agriculture and Chairman of the Board of Trustees of the German Science Academies' project "Energy Systems of the Future". Reinhard F. Hüttl is also Chairman of Euro-CASE since May 2013, following his previous position as Vice Chairman.

He is member of a number of national and international Academies including the Academy of Geosciences and Geotechnologies, Academia Europaea, the Swiss Academy of Technical Sciences, the Austrian Academy of Sciences and the Royal Swedish Academy of Agriculture and Forestry.

Reinhard Hüttl received an honorary doctorate from the University of Vienna in 2004 and was conferred with the Cross of Merit, First Class of the Federal Republic of Germany in July 2008.

# CURRICULUM VITAE

Elisabeth Monard

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## *Summary*

*Elisabeth Monard is director of the Class Technical Sciences of the Royal Flemish Academy of Belgium for Science and the Arts (KVAB). She was trained as a civil engineer (applied chemistry) and holds a PhD in Applied Sciences from the Katholieke Universiteit Leuven (KULeuven), Belgium.*

*Elisabeth Monard began her professional career as assistant professor at the Katholieke Universiteit Leuven. She held a position as engineering director at the Federal Department of Public Health in the division Radiation Protection (1982 - 1988). And from 1989 until 2005 she was the secretary of the Flemish Science Policy Council. As Secretary General she led during 10 years (2005-2015) the Research Foundation Flanders (FWO), the independent funding agency for basic and strategic research.*

Born            Riemst, 12 December 1949

Married

Three children

Belgian nationality

Address        Kastanjelaan 3  
                  3001 Leuven-Heverlee  
                  Belgium  
                  tel. +32 16 40 37 70  
                  email: empmonard@gmail.com

Function       Director Class Technical Sciences, Royal Flemish Academy of Belgium for Science and the Arts (KVAB).

Education

- Civil Engineer (applied chemistry), K.U.Leuven, 1973
- PhD in Applied Sciences, K.U.Leuven, 1980

## Carreer

- 1973 – 1980 Assistant professor KULeuven, faculty of applied sciences, Fysico-chemical Laboratory (Prof. A. Neyens)
- 1980 – 1981 Scientific Officer at the “Instituut voor Aanmoediging van het Wetenschappelijk Onderzoek in Nijverheid en Landbouw” (IWONL), Brussel
- 1982 – 1988 Engineering director at the Federal Department of Public Health in the division of Radiation Protection
- 1988 - 2005 Secretary of the “Flemish Science Policy Council”
- 2005 - 2015 Secretary General FWO (Research Foundation – Flanders)
- 2012 - ... Member Class Technical Sciences, Royal Flemish Academy of Belgium for Science and the Arts (KVAB)
- 2013 - ... Chair School Board of the Free Primary School Terbank-Egenhoven in Leuven
- 2016 – 2017 Chair NVAO assessment panel for the universities UGent, KULeuven en UHasselt
- 2016 - 2017 Chair workgroup “Art and Science”, BOZAR, Brussels
- 2016 - ... Member Board of Directors University Hospital Leuven (UZ Leuven)
- 2016 ... Member Board of Directors “Z.org KU Leuven vzw”
- 2017 - ... Chair Reflection Group Art, Science and Technology, KVAB
- 2018 -... Member Board KVAB
- 2019 - ... Director Class Technical Sciences, KVAB
- 2019 -... Honorary professor of the Faculty of Engineering Science, KU Leuven.

## Publications

### Science and Technology Policy

- Dirk Van Dyck, Elisabeth Monard, Sylvia Wenmackers e.a., Onderzoeker-gedreven wetenschap. Analyse van de situatie in Vlaanderen, KVAB Standpunt 59, 2018.
- E. Monard, Waarheen met het Vlaams Wetenschapsbeleid? – in Mee met Morgen, Royal Flemish Academy of Belgium for Science and the Arts, Academia Press, 2013

- E. Monard, A fertile research frontier - Public Science Review European Science & Technology, 2011
- E. Monard, The Flemish way forward - Public Science Review European Union, 21, 2011
- E. Monard, Investeren in wetenschappelijk onderzoek is investeren in de toekomst – THEMA 3-10, 2010
- E. Monard, Career strategies for Young scientists (XXIV) – Labtimes 5, 2010
- E. Monard, Speculate to accumulate - Public Service Review European Union 20, 2010
- E. Monard, By the numbers – Belgium - Nature Vol. 467, 2010 (Interview)
- E. Monard, Towards a further internationalisation of basic research promotion - Belgian Research in Europe, 2009
- E. Smits, T. Vincent, E. Raticx, K. Debackere, E. Monard, D. Raspoet, K. Vinck, Technology and Innovation in Flanders, Foresight Brief No. 098 - EFMN, 2007
- E. Smits, B. Van Looy, K. Debackere en E. Monard., 'Five years of regional technology foresight: the Flemish experience', Management Jaarboek 2006, Vlaamse Management Associatie
- Smits, E., Van Looy, B., Debackere, K., Monard, E. (2006). Five years of regional technology foresight. The Flemish experience. Veille Stratégique Scientifique et Technologique. Séminaire Veille Stratégique Scientifique & Technologique. Lille (France), 16-17 January 2006.
- Smits, E., Van Looy, B., Debackere, K., Monard, E., Thoen, V., Ratinckx, E., Raspoet, D., Vinck, K. (2006). Regional technology foresight Flanders 2015: Expert validated priority setting on technology and innovation within 6 strategic clusters in Flanders (Belgium). Second International Seville Seminar on Future-Oriented Technology Analysis. Sevilla (Spain), Sep. 28-29.
- E. Monard, “Bedrijven en onderzoekinstellingen stimuleren wetenschappelijk talent”, in Delta nr. 7 (september 2005)
- R. Dillemans en E. Monard, “Wetenschappelijk Onderzoek en cultuur”, in Wegwijs Cultuur, januari 2005
- E. Monard en D. Raspoet, “Verkennen om te kiezen”, in Delta, nr. 4 , december 2004
- D. Raspoet en E. Monard, “Universitair Onderzoek in Beweging, verslag workshop VRWB”, Universiteit en Beleid, 12<sup>e</sup> jg. nr. 4, 14 juli 1998
- E. Monard, V. De Samblanx en L. Verstraete, “Buitenlandse vorsers aan de Vlaamse universiteiten”, Universiteit en Beleid, 12<sup>e</sup> jg. nr. 3, 30 april 1998
- E. Monard, “De Universitaire Beurssystemen voor Doctorandi - advies van de Vlaamse Raad voor Wetenschapsbeleid”, Universiteit en Beleid, 12<sup>e</sup> jg., nr. 2, 17 februari 1998
- E. Monard, “Het Vlaamse Wetenschapsbeleid en de VRWB”, in HERMAN, Universitaire Pers Leuven, 1998
- J. Roos en E. Monard, “Wetenschapsbeleid in Vlaanderen”, Verhandelingen van de Koninklijke Academie voor Geneeskunde van België, LIV nr. 6, 1992, blz. 611-630
- E. Monard, “Wetenschapsbeleid in Vlaanderen”, GENT, Verslagboek van het Nederlands-Vlaams colloquium ter afsluiting van het actieprogramma GENT, 23 juni 1992, Maastricht.
- Th. Peeters en E. Monard, “Wetenschapsbeleid tussen Hamer en Aambeeld”, bouwstenen van de Vlaamse Autonomie, Vriendenboek Etienne De Ryck, 1990
- E. Monard, Rubriek VRWB, Universiteit en Beleid, vanaf 1989 tot en met 2002

#### Training supervisor

- D. Raspoet o.l.v. E. Monard, “O&O-bestedingen van de Vlaamse universiteiten – Analyse” (juni 2002) – VRWB-Studiereeks 3

- K. Vercoutere o.l.v. E. Monard, ‘Wetenschappelijk onderzoek en de genderproblematiek’ (juni 2002) – VRWB-Studiereeks 4

#### Surface science

- E. Monard, H. Van Hove, A. Neyens, Proceedings of the Fourth International Conference on the Solid Surface and Third European Conference on Surface science, Cannes, 1980
- E. Monard, H. Van Hove, A. Neyens, ‘Le Vide’, 185, suppl., 1977, 395-400
- E. Monard, ‘Oppervlaktekarakterisering van extrinsiek gestabiliseerde CdSe’, doctoraatsthesis Toegepaste Wetenschappen, 1980, K.U.Leuven
- E. Monard, “Adsorptie van methanol, aceton, en methyleenchloride op actieve kool”, eindwerk burgerlijk scheikundig ingenieur, 1973, K.U.Leuven

#### Collaboration:

- FWO Jaarboeken 2005-2010
- Vlaams indicatorenboek Wetenschap, Innovatie en Technologie, uitgaven 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013.
- Kleurrijk Vlaanderen, “Op naar de top. Technologie en Innovatie in Vlaanderen”, juni 2003
- Vlaamse bijdrage voor de Wereldcommissie inzake de Sociale Dimensie van de Globalisering, 2002 (A fair globalization: creating opportunities for all) [www.ilo.org/public/english/wcsdg/index.htm](http://www.ilo.org/public/english/wcsdg/index.htm), [www.ilo.org/public/english/wcsdg/consulta/flemish/index.htm](http://www.ilo.org/public/english/wcsdg/consulta/flemish/index.htm)
- CEC, “The Radiological Exposure of the Population of the European Community from Radioactivity in the Northeast Atlantic” (project Marina), Directorate-General Environment, Nuclear Safety and Civil Protection, 1989

#### **Memberships**

- Policy Council Economy, Science & Technology (Flemish authority)
- Flemish Council for Science and Innovation (VRWB)
- Commission for Educational Exchange between the USA, Belgium and Luxemburg (Executive committee & Board of Directors)
- Science Europe (acting president, vice-president, Governing Board and General Assembly)
- European Science Foundation (ESF) (vice-president, Governing Board, Steering Committee and General Assembly)
- Queen Elisabeth Medical Foundation (Board of Directors)
- Hercules Foundation (Board)
- Academia Belgica, Rome (Board)
- Center for Medical Innovation (Board)
- Leopold III-Foundation (Board)
- Interuniversity College for Management Sciences (ICM) (Board)
- Foundation Scientific Research in Africa (Board)
- Flanders Marine Institute (VLIZ) (General Assembly)
- International Solvay Institutes (General Assembly)
- Flamenco (General Assembly)
- Expertise Centrum O&O Monitoring (ECOOM) (Steering Committee)
- Evaluation committee Institute Society and Technology, Flanders (2007)

## Curriculum Vitae

Name	Rita Hofmann-Sievert	
Home Address	Impasse Champ Montant 12, 1723 Marly	
Date of Birth	November 10, 1952	
Place of Birth	Herzberg/Harz (Germany)	
Place of Origin:	Schüpfen (BE), (Switzerland)	
Citizenship	Swiss and German	

<b>Professional career</b>	Research lecturer at the University of Applied Sciences, Bern University of the Arts, Institute for Materiality in Art and Culture (part time position) <a href="https://www.hkb.bfh.ch/">https://www.hkb.bfh.ch/</a>	2013-now
	Scientific collaborator at Wifag Polytype Technologies <a href="https://www.wifag-polytype.com/">https://www.wifag-polytype.com/</a>	2014-2015
	Head of technology and Development at ILFORD Imaging Switzerland	2005-2013
	Director Research and Development ILFORD Group	2000-2005
	Research chemist and group leader Research in digital exposure devices and colour at Ciba Geigy in Basel and ILFORD AG in Marly,	1983-2000
<b>Awards &amp; Nominations</b>	Honorary member of the Society for Imaging Science and Technology <a href="https://www.imaging.org/">https://www.imaging.org/</a>	2019
	Nomination as individual member into the Swiss Academy of Engineering Sciences (SATW) <a href="https://www.satw.ch/">https://www.satw.ch/</a>	2010
	HP Image Permanence Award	2008

<b>Professional activities</b>	Swiss Academy of Engineering Sciences (SATW), member of the Board	2013-now
	Member of the Board at the National Thematic Platform 'Innovative surfaces' <a href="https://www.innovativesurfaces.ch/io">https://www.innovativesurfaces.ch/io</a>	2013-now
	Visiting Lecturer at the School of Arts in Stuttgart (Hochschule der Künste in Stuttgart) and the Reijksmuseum in Amsterdam	2010-now
	Associate Editor of 'Photografischer Rundbrief' <a href="https://www.rundbrief-fotografie.de/">https://www.rundbrief-fotografie.de/</a>	2014-now
	Associate editor of 'Journal of Imaging Sciences and Technology'	2014-now
	Member of the Industrial Advisory Board of the Swiss Federal Material Research Institute (EMPA) <a href="https://www.empa.ch">https://www.empa.ch</a>	2010-2014
	Swiss expert for ISO Technical Committee -42, Standards for photography <a href="https://www.iso.org/committee/">https://www.iso.org/committee/</a>	1998-now
	Member of the board for the Society of imaging Science and Technology (IS&T), USA	2003-2013
	President of the Society for Imaging Science and Technology, (IS&T), USA	2009-2011
	General Chair of the International Conference on Non-impact Printing, NIP in Baltimore, USA	2009
<b>Education</b>	Post-doctorate in physical chemistry University of Colorado and Penn State University, USA	1981-1982
	Academic assistant in physical chemistry: University of Göttingen, Germany)	1977-1982
	Doctorate in Chemistry, University of Göttingen,	1978
	Master in Chemistry, University of Göttingen, Germany	1976

**Profile: Prof. Brig. Dr. Nasim A. Khan (Retd) {SI (M)},**  
**Vice Chancellor Pakistan University**  
**Senior Executive Director, Osmani & Company Karachi**  
**Executive Director & Fellow- Pakistan Academy of Engineering**  
Former Vice Chancellor Hamdard University  
Former Vice Chancellor – Nazeer Hussain University  
Former Secretary & Founder Member- Alternative Energy Development Board, Islamabad  
Former Dean National University of Sciences and Technology, Islamabad



Professor Dr. Nasim A. Khan SI (M), has remained vice chancellor of two universities in Pakistan namely Hamdard University & Nazeer Hussain University.

He has made exceptionally high quality thirty five years' rigorous efforts in promotion of Alternative Energy in Pakistan since 1982, once he wrote his first prize winning "Solar Energy Guide and Data Book for Pakistan" published by College of EME.

His unique efforts continued and further led in identification of famous "Gharo-Kati-Bandar Wind Corridor" in Pakistan in the year 2000, where he reported existence of 50,000 MW of power potential in the Corridor funded by the then Pakistan Council for Appropriate Technologies.

In the year 2003, his tremendous efforts lead to creation of Alternative Energy Development Board under the Prime Minister's Secretariat, Islamabad.

His unique efforts have been recognized nationally as well as internationally in form of several awards like; Higher Education Commission (HEC) Best Scientific Book (2012) "Energy Resources and Utilization in Pakistan"; "Energy Award" by Pak Energy Review (2010); "Man of the Year 2009 in Emerging Technologies" (2010) by South Asia Publications; "Energy Globe Award" by Energy Globe at EU, Parliament, Austria (2007); 2<sup>nd</sup> prize for book from Pakistan Book Council for children (2007); "Sitara-i-Imtiaz (M)" (2004); Finalist of the "2002 World Technology Network Award for Energy" and Fellow of World Technology Network, USA (2002); He won First prize on best published book for Children from National Book Council of Pakistan (2002), and Commendation and PhD scholarship for his book "Solar Energy" (1987). He remained Chairperson of "International Solar Energy Society Pakistan Section" and "Member of WWEA."

Dr. Nasim is Ph.D. in Mechanical Engineering from Colorado State University, USA (1992), M.S. in Energy Resource (1985) and M.S. in Mech Engg (1983) from the University of Pittsburgh, USA and B.E. (Mech Engg) from NED University (1974).

His feasibility study on wind power generation attracted 97 investors in wind power generation, for which the Government of Sindh allotted 100,000 acres land. There are 16 wind power projects (WPP) generating 786 MW's of electricity in Jhimpir area while another 47 investors are in different stages of completion. His scrupulous efforts of thirty years in wind power sector has resulted in formation of complete culture of wind power generation in Pakistan. The total investment in wind power sector that can be attributed to his effort as Founder Member of AEDB Team have led to an investment of \$2.7 billion on ground while another \$2.3 billion are in various stages of completion in wind power technology totally in private sector in the country.

**He has ten Patents.**

He has been working on development of Electric Vehicle Culture in Pakistan since 1997 when he first developed a Solar EV at College of EME, NUST, Islamabad. He continued his efforts at AEDB, at Hamdard University, at Nazeer Hussain University, under Energy Efficient Automobile Company (a private Company). He has part patent on solar Rickshaw developed by him.



### 2020 CAETS Annual Meetings Status Update

Due to the global pandemic and related travel restrictions, CAETS 2020 will employ an online/offline hybrid format. International participants will participate online only.

Non NAEK-hosted Committee/Working Group meetings will be held the week prior to the annual meetings; virtual sessions will be hosted by the academy with chairman responsibilities. This will alleviate schedule conflicts and reduce daily meeting hours during the week of 12 October in order to better accommodate time zone differences.

Monday, 12 October:

13:00 – 15:00 (KRT)	CAETS Board Meeting
15:00 – 17:00 (KRT)	COVID-19 Special Committee Meeting
15:00 – 17:00 (KRT)	CAETS Energy Committee Meeting

Tuesday, 13 October – Engineering a Better World, Smart Society:

13:20 – 14:00 (KRT)	Plenary Session
14:00 – 16:00 (KRT)	Session 1: Smart Energy Network
16:00 – 18:00 (KRT)	Session 2: Hyper-Connected Life

Wednesday, 14 October – Engineering a Better World, Smart Society:

14:00 – 16:00 (KRT)	Session 3: Education for Smart Society
16:00 – 18:00 (KRT)	Session 4: Climate Change

Thursday, 15 October:

14:00 – 17:00 (KRT)	CAETS Council Meeting
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## 2021 CAETS Annual Meeting Status Update

CAETS 2021 will be held 20-24 September in Buenos Aires, Argentina. The theme for the Technical Conference is "The Future of Energy." Topics will include:

1. Change on the future energy matrix due global warming
  - 1.1 Competition between different energy sources. Costs versus environmental impact
  - 1.2 International agreements and commitment to reduce CO2 emissions
  - 1.3 Energy policy in the main developed countries
2. Renewable energy: Its future evolution - generation, storage, transport and consumption
  - 2.1. Solar energy
  - 2.2. Wind power
  - 2.3. Hydroelectricity
  - 2.4. Geothermal
  - 2.5 Biomass; Waste
  - 2.6. Tides and Waves
3. Conversion and energy storage. Lithium
4. The future of Nuclear Energy
  - 4.1 Nuclear Energy versus other energy sources.
  - 4.2 Safety conditions of nuclear generation plants.
  - 4.3 New developments and research.
5. Oil and Gas
  - 5.1. Perspectives of shale oil and gas. Environmental considerations.
  - 5.2. Energy and petrochemical use of gas and oil.
6. Biofuels: Food versus energy use
7. Coal: Reserves; costs; countries. Environmental constraints
8. Energy saving. Programs and Results
9. Electric vehicles
10. Training of human resources for new energy challenges in the next energy revolution

Additional information will be provided during the CAETS 2020 Council Meeting.

### 2022 CAETS Annual Meeting Status Update

CAETS 2022 will be hosted by the National Academy of Technologies of France (NATF). The meetings will be held in Paris, France from 21-25 March 2022.

Additional information will be provided during the 2020 CAETS Council Meeting.

**The Irish Academy of Engineering (IAE)**  
**SUMMARY: CAETS Membership Application**  
**Received 4 March 2020**

**IAE Background**

The Irish Academy of Engineering (IAE) was founded in May 1997 by the Institution of Engineers of Ireland, now operating as “Engineers Ireland”. The Institution traces back to 1835 when a group of civil engineers met in Dublin and agreed to form the Civil Engineers Society of Ireland. In the late 1990s the Institution saw the need to afford engineering an additional and enhanced profile in national and international affairs, leading to the founding of IAE.

The IAE is an independent corporate body, recognized under Irish law. It retains a close relationship with the Engineers Ireland, shares many members, and continues to enjoy its support.

The IAE focuses on medium to long term societal challenges. In particular, their focus is on socio-technical and socio-economic issues which require technological and engineering solutions. The Academy also provides platforms for informed debate and discussion with subsequent input into public discourse and the formation of public policy.

*“In making this application to CAETS we are acutely aware of the need to address many challenges at a global level; and the fact that engineering and science has a pivotal role to play in addressing these challenges. Engineering is the ‘magic’ factor which makes our modern world possible and shapes our lives; it ‘transforms science fiction into engineering fact’.”*

IAE’s current President is Jim Brown; a brief biography is provided below.

2019/2020 President of the Academy Dr. Jim Browne, B.E., M.Eng.Sc., Ph.D., D.Sc., MRIA, C.Eng. Dr. Browne is an experienced academic with over 30 years of academic leadership and service in the University of Manchester and the National University of Ireland Galway, where he served as President, Registrar, Dean of Engineering and a research leader. He has served on and led numerous Boards focusing on strategic direction, excellence in governance and the management of risk. He is currently Chairman of the Board of Children’s Health Ireland, and serves as an advisor on the NMBP programme within the EU H2020 programme. He has published 11 books, one of which was translated into Chinese and another into French, over 250 academic papers in international journals, and supervised over 40 PhD students. He has particular experience in working in the high-tech sector, including working with multi-partner industry – university research and development projects in Europe, the United States and China.

IAE’s current Chief Executive is Gabriel Dennison; a brief biography is provided below.

Gabriel graduated as a civil engineer at UCD and has nearly 40 years post-qualification experience. His early career was spent in local government in the Dublin region and consulting, here and overseas. He joined NTR pic in the late 1990s just as that company was diversifying into waste management and renewable energy and was actively engaged in board level roles in both sectors for many years. He moved into industry in the late 1990s and served in various senior management and leadership roles in the waste management and renewable energy sectors for over ten years. From 2012-2017 Gabriel was a Member of the Board of An Bord Pleanála (Irish Planning Appeals Board) and the subsidiary Strategic Infrastructure Board. Gabriel has a research Masters degree and PhD from University College Dublin in environmental engineering, has business qualifications from the University of Ulster (2003) and the Harvard

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Business School (2007). He was appointed an Adjunct Professor in engineering by UCD in 2012. Gabriel has been Chief Executive of the IAE since mid-2017.

Biographies for other members of IAE's leadership team and Council are provided in Appendix A of the full membership application.

**CAETS Membership Criterion a) Representative of the engineering and technological community of that country.**

The IAE is an all-island body; it operates in, and draws its membership from, both the Republic of Ireland and Northern Ireland. The Academy performs a valuable role in linking the profession in both jurisdictions on the island in matters of common interest and concern.

IAE's membership includes Fellows who have made significant contributions in areas as diverse as:

- Academia – University Presidents, Provosts, Vice Presidents, leaders of Research Institutes, Senior Professors of Engineering
- Public Sector – Directors, Senior Management, experts from Government Departments and Agencies, Utilities, Local Government
- Industry – CEOs, Presidents, Managing Directors, Directors, Vice Presidents
- Engineering Consultancy – Founders, Managing Directors, Directors

Its membership includes experts in many areas including high-tech, manufacturing, ICT, bio-pharma, medical devices, as well as established industries such as Construction, Materials, General Engineering and Primary Energy.

**CAETS Membership Criterion b) Subscribe to the nonpolitical, non-governmental international character of the Council.**

The IAE is a registered charity (incorporated not-for-profit). The **vision** of IAE is to contribute to the social, economic and technological development of Ireland, using the unique collective experience and knowledge of its members. Its **mission** is to provide an expert and independent resource to key decision-makers and the public on important issues requiring technological-economic solutions and a platform for informed debate and discussion.

The core of IAE's work is the preparation of independent, evidence-based assessments of engineering and technology-related issues of particular social and economic import. Examples of such publications include "Towards a Population of 6 Million – Implications for Spatial Strategy", "Future Engineering Education", "Ireland's Environment", "Transport in Ireland to 2050" and a review of future workforce requirements in "Engineering a Knowledge Island 2020." Other recent reports include "Future Energy Policy in Ireland", "Ireland at Risk – Adaptation for Climate Change" and "Infrastructure for an Island Population of 8 Million."

The IAE maintains links with international academies and engineering institutions worldwide. Given the nature of many of today's engineering challenges, the Academy recognizes the importance of transnational cooperation and is a full and active member of the European Council of Applied Sciences Technologies and Engineering (Euro-CASE).

**The Irish Academy of Engineering (IAE)**  
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**CAETS Membership Criterion c) Peer elected membership with criteria for election based on significant personal contributions to engineering, technological sciences, or related activities.**

IAE gains new members via two paths: (1) membership automatically proffered to President and President Elect as well as to newly elected Honorary Fellows of Engineers Ireland and (2) members elected by the IAE Council from nominees submitted by IAE membership. Additional details are provided below.

*[Excerpts from Irish Academy of Engineering (IAE) Rules and Procedures (version July 2016); provided in full in Appendix C of the IAE membership application.]*

Article 3:...membership of the Academy shall consist of:

- (a) The President, the President Elect and past presidents of The Institution of Engineers of Ireland, now operating as Engineers Ireland;
- (b) Those Chartered Engineers who are included on the Roll of Honorary Fellows of The Institution of Engineers of Ireland.

Engineers Ireland Regulations: An Honorary Fellow shall be a person who is <b>distinguished by the importance of his/her work in engineering, science or otherwise, whom Engineers Ireland desires to honor</b> . An Honorary Fellow shall be elected by a majority of four-fifths of the members of the Council of Engineers Ireland present and voting.
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- (c) Chartered Engineers of The Institution of Engineers of Ireland or Chartered Engineers resident in Ireland who by virtue of distinction and achievement are **elected** members of the Academy.
- (d) Engineers whose contribution to engineering is recognized as meriting **election**.
- (e) Fellows **elected** under the terms of Article 6(b) below.

Article 6

- (a) The members of the Academy shall normally be Chartered Engineers and Fellows of the Institution of Engineers of Ireland or Fellows of other institutions with which The Institution of Engineers of Ireland has bilateral agreements for the mutual recognition of the title of Chartered Engineer.
- (b) Additionally, up to 20% of the Fellows of the Academy may be elected under such conditions as the Council may deem appropriate from time to time and where the individuals concerned have reached an **exceptional level of competence and distinction in areas which are related to the advancement of engineering science**.

Article 4:

Election to membership of the Academy under Articles 3(c), 3(d) and 3(e) above shall be by proposal and approval of the Council. The Council shall establish rules of procedure which regulate the nomination, scrutiny and selection of candidates for election to membership of the Academy.

Procedure 8.3.1: The Council shall review annually the Academy's membership and decide on the maximum number of vacancies, if any, which in the year in question are to be filled by election under Article 4. *That is in addition to new members automatically admitted under Articles 3(a) and 3(b).*

**The Irish Academy of Engineering (IAE)**  
**SUMMARY: CAETS Membership Application**  
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Procedure 8.3.2: The Membership Committee of Council shall examine nominations for election to membership under Articles 3(c), 3(d) and 3(e) and Article 6 above and make recommendations to Council on those candidates considered suitable for election.

Procedure 8.6.1: Not less than three months before nominations are to reach the Membership Committee the Secretary on behalf of Council shall invite Members of the Academy to nominate potential new members.

Procedure 8.6.2: **Nominations for membership of the Academy shall be made in writing by any one or more members**, other than by the President, the President Elect or members of the Membership Committee. Each nomination shall be accompanied by a summary CV of the nominee prepared or subscribed to and signed by the nominator or nominators if more than one. The nominee shall not be informed of the nomination, nor consulted in preparing the summary CV.

Procedure 8.6.6: **Council will decide on a confidential, provisional basis which nominees, if any, from the list may be offered membership.** This decision will be contingent on the Secretary approaching the nominee to seek assurances that the nominee if proffered membership will accept and will undertake to sustain and contribute to the work of the Academy.

Procedure 8.6.7: Following confirmation of receipt by the Secretary of the sought assurances, Council will finalize its decision on the nominees who are to be offered membership.

Procedure 8.6.8: Council shall inform Engineers Ireland of its decision and announce the names of the new members.

**CAETS Membership Criterion d) Governed by its elected membership.**

*[Excerpts from Irish Academy of Engineering (IAE) Rules and Procedures (version July 2016); provided in full in Appendix C of the IAE membership application.]*

Article 39: **The members of the Council shall be members of the Academy.**

Regulation 10.1.1: **The Academy shall be governed by a Council which shall be elected by the members of the Academy** in accordance with Regulation 10.3.

Regulation 10.3.1: Nominations for election to Council shall be supported by two members of the Academy and shall be in the form and according to the procedures prescribed by the Council from time to time.

Regulation 10.3.2: Election shall be by secret postal ballot of all the members of the Academy in accordance with the Rules of Procedure of the Academy.

**CAETS Membership Criterion e) Engaged in significant activities demonstrating that its objectives are compatible with the objectives of CAETS (Bylaws Article 1).**

The activities of IAE are structured around 4 outcomes; the percentage shown for each reflects 2018 activities:

1. Analyze (47%)

**The Irish Academy of Engineering (IAE)**  
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- Conducting research for informed reports and peer review
- Production of reports by Standing Committees
- 2. Communicate (22%)
  - Dialogue and discussion fora
  - Promoting engineering heritage
  - Maintaining international links and promoting the modern image of Ireland
  - Fostering cross-border cooperation
- 3. Influence (21%)
  - Disseminating relevant information and expertise to assist policy makers
  - Launches of selected reports
- 4. Recognize (10%)
  - Honoring and encouraging Engineering achievement
  - Promoting engineering to youth
  - Hosting award ceremonies and events

The Academy operates through four Standing Committees each of which addresses key topic areas in engineering: Energy and Climate Action; Infrastructure; Enterprise, Innovation and Education; and Heritage.

2019 Publications included:

- Innovating for Growth – Improving Ireland’s Innovation Ecosystem
- Electricity Sensor Investment for Data Centres in Ireland
- Submission on draft Regional Spatial and Economic Strategy for Southern Region (IAE Southern Branch)
- Submission on draft Cork Metropolitan Area Transport Strategy (IAE Southern Branch)

**CAETS Membership Criterion f) Financial support to pay the costs of CAETS membership and the costs of participation in CAETS activities.**

“The Academy has provided in its budget for the cost of EURO-CASE membership and has provided, as part of its growth and development plan 2020-2023 for CAETS membership and the costs of participation in CAETS activities.”

IAE’s most recently audited financials (31 December 2018) reflect Capital and Reserves (Surplus Funds) of 49,974 Euros at the end of the year, compared with a surplus of 65,139 Euros at the end of 2017.



**CAETS Virtual Visiting Committee  
Irish Academy of Engineering  
Meeting Agenda**

**Friday, 2 October 2020  
1300-1500 Dublin**

**CAETS Participants**

Tuula Teeri: CAETS Past-President, President of the Royal Swedish Academy of Engineering Sciences

Contact: [tuula.teeri@iva.se](mailto:tuula.teeri@iva.se), [liv.svesse@iva.se](mailto:liv.svesse@iva.se); [elin.elliott@iva.se](mailto:elin.elliott@iva.se)

Panu Nykanen: CAETS Board Member, Secretary General of Finnish Academy of Technical Sciences

Contact: [panu.nykanen@taf.fi](mailto:panu.nykanen@taf.fi), [info@academies.fi](mailto:info@academies.fi)

Ruth David: CAETS Secretary/Treasurer, Member of US National Academy of Engineering

Contact: [ruth.a.david@outlook.com](mailto:ruth.a.david@outlook.com)

**IAE Participants**

Dr. Jim Browne – President IAE and lately President, National University of Ireland, Galway

Mr. Tony Smyth – Immediate IAE past President and lately Chief Engineer, Office of Public Works

Mr. Bill Grimson – Honorary Secretary and lately Lecturer, Dublin Institute of Technology

Mr. Tom Leahy – Council Member and Regional Operations Manager, Irish Water plc

Dr. Gabriel Dennison, IAE Chief Executive

1300 Introductions (IAE and CAETS)

1310 IAE Membership Evolution

Application/Annual Report mentions recent authorization to increase membership as well as the member selection process, in particular, to address the gender balance and gaps in areas of expertise. Please discuss current demographics, highlighting areas of concern, and approaches under consideration for strengthening your Academy. (These challenges are shared by other CAETS Members)

1340 Collaboration with CAETS Member Academies

Your application mentions collaborations with Germany, Sweden, New Zealand, and the UK. Please briefly describe your interactions and experiences in establishing these relationships. In particular, do you believe CAETS membership will aid your efforts to establish bilateral relationships?

1410 Interest in CAETS Committees/Working Groups

CAETS currently has Committees/Working Groups focusing on Energy, Communicating with the Public, Engineering Education, Sustainability, Diversity and Inclusion, and COVID-19 (newly established). There appears to be some alignment between the CAETS activities and your Standing Committees. Please discuss your interests and activities relating to the CAETS Committees/Working Groups.

1440 General Discussion

What questions do you have about CAETS?

1500 Adjourn

Irish Academy of Engineering  
Initial Dues if Elected by Council

Based on initial dues set for the last 4 successful membership applications (Pakistan, New Zealand, Nigeria, and Serbia), and given no other agreed upon methodology, recommend \$1030 as the initial dues.

\_\_\_\_\_ Agree

\_\_\_\_\_ Disagree – provide alternate recommendation.