

President's report for year 2023

This has been my third term as CEAS President and the CEAS Board of Trustees appointed me as President of the Council for a fourth term for 2024. I am very much honoured and at the same time I feel a huge responsibility for what has been done in the recent past and what is waiting ahead of us.

This year has seen CEAS returning fully operational after the Covid pandemic, with no further need to organise fully online meetings and/or events, yet allowing remote participation in our scheduled Board of Trustees or General Assembly, practice that allows to enhance participation and save time and cost for someone, even if with a slightly reduced effectiveness.

It is not surprising to notice that the highlight event of 2023 has been the Aerospace Europe Conference 2023, jointly organised with EUCASS and marking the 9th CEAS conference. But this is not the only important achievement of the year, as reported next.

AEC-2023

The Aerospace Europe Conference 2023, joint 10th EUCASS and 9th CEAS conference, took place in Lausanne in July 2023. For the first time the event has seen a joint effort of two European entities, and this has been indeed a success according to the basic figures: over 700 participants, 34 countries represented, 40% of the participants were students. The largest groups in terms of countries came from Germany, France, Italy, and it is notable that we had also a large group from Korea marking the real international nature of the conference. The organisation involved around 130 Programme Committee members, equally shared between CEAS and EUCASS, and the conference programme included 20 scientific topics leading to 97 Technical Sessions, in 15 parallel rooms, plus 14 Plenary Invited Lectures. In total, 605 presentations including 65 Posters.

The CEAS contribution to the conference included approximately 50% of Programme Committee members, proposals for conference topics, identification of keynote presentations, contact with sponsors, provision of the IT tool for the conference management and secretarial support. CEAS also provided grants for student participation, offered to all its members and actually exploited by AIDAA, FTF, DGLR, RaeS and Euroavia.

The event offered the opportunity to deliver the 2022 CEAS Awards during gala dinner. Our awardees Johann-Dietrich Wörner and Dietrich Knörzner received the award in the spectacular scenario of the Olympic Museum in Lausanne.

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CEAS AT WORK

The year has been characterised by four Board of Trustees meetings, motivated by the necessity to discuss, and take important decisions. The most relevant are briefly discussed hereafter.

Despite the undeniable success of the joint AEC with EUCASS, the CEAS Board decided that the next AEC, marking the 10th CEAS conference, will be organised separately from EUCASS. This decision has seen a vast majority of consensus from the CEAS members, with different motivations. In the spirit of serving the European aerospace community, this decision can allow overall a higher participation understanding that one single major event might fall in a period not favourable to the entire community, while two distinct events, well separated along the year, indeed offer to anyone a higher chance of participation and knowledge sharing.

Regarding membership, the Von Karman Institute decided to reapply as a CEAS Corporate member. The Von Karman Institute had already been a CEAS member in the past and they would like to become a member and be involved in the organization of the AIAA/CEAS Aeroacoustics Conferences. Membership has been approved and will become effective starting January 2024.

CEAS has become member of DataCite which is the European non-profit organization that provides persistent identifiers (specifically DOIs) for research data and other research outputs. Joining DataCite as members allows CEAS to assign DOIs to all papers presented at the CEAS conferences, which will allow for the papers to become discoverable, citable and connected. This is what we and our technical committees want.

Along with the DataCite membership, CEAS has defined the procedure to allow conferences to be labelled as CEAS conference and furthermore some financial resources have been allocated to support publications in CEAS Journals for papers presented during the CEAS Conferences, in particular for those conferences that have procedures in place to identify the best papers.

For internal organisation, CEAS has also defined a clear procedure for the election of CEAS Officers. This procedure has immediately been adopted because of the resignation of Mrs Dominique Nouailhas from the position Trustee for 3AF. Mrs Dominique Nouailhas was also vice-president of External Relations and Publications, role that therefore needed a new nomination. The newly nominated vice-president of External Relations and Publications is Mr Lukasz Kiskowskiak, Trustee for the Polish society PSAA.

CEAS Awards

CEAS is an International Non-Profit Association
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EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany
ESA, 8-10 Rue Mario Nikis, 75015 Paris, France
EUROAVIA, Kluuyverweg 1, 2629 HS Delft, The Netherlands
EUROCONTROL, Rue de la Fusée 96, 1130 Brussels, Belgium

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3AF, 6 Rue Galilée, 75016 Paris, France
AAAR, 220 D Iuliu Maniu Bd., sector 6, cod 061126, OP 76, CP174 Bucharest, Romania
AIAE, Francisco Silvela 71, Entreplanta, 28028 Madrid, Spain
AIDAA, Casella Postale 227, 00187 Roma V.R., Italy
CzAeS, Novotnéhohávka 200/5, 110 00 Prague, Czech Republic
DGLR, GodesbergerAllee 70, 53175 Bonn, Germany
FTF, c/o SSC, Box 4207, 171 04 Solna, Sweden
NVVL, c/o NLR, Anthony Fokkerweg 2, 1059 CM Amsterdam, The Netherlands
PSAA, ul. Nowowiejska 24, 00-665 Warszawa, Poland
RAeS, No.4 Hamilton Place, London W1J 7BQ, United Kingdom
SVFV, PO Box 301, 6032 Emmen, Switzerland

In line with the decisions taken over one year ago, CEAS has provided awards for two outstanding individuals that have contributed greatly to the achievements within the aerospace industry and within CEAS, and to the authors of the most cited papers published on the CEAS Journals.

The CEAS Gold Award for 2023 has been assigned to Mr Franco Ongaro, an example of an outstanding European career covering both aeronautics and space sectors, in private industries and public entities, with constant contact with academia and the younger generation. Mr Ongaro, for long time European Space Agency staffer, is currently manager for Leonardo's space division unit.

The CEAS Distinguished Service Award has been assigned to Prof. Zdobyslaw Goraj, my predecessor as CEAS President. His academic career at the Warsaw University of Technology (WUT) is remarkable and he played a very positive role in preparation of East-European teams to be integrated in European aerospace projects. He created the Polish Society of Aeronautics and Astronautics and for long time has served CEAS as Trustee for the PSAA and as President.

I also like to mention the awardees for the most cited journal papers.

For the CEAS AERONAUTICAL JOURNAL:

1. Voskuijl, M., van Bogaert, J. & Rao, A.G. Analysis and design of hybrid electric regional turboprop aircraft. CEAS Aeronautical Journal 9, 15–25 (2018). <https://doi.org/10.1007/s13272-017-0272-1>
2. Ploetner, K.O., Al Haddad, C., Antoniou, C., Frank, F., Fu, M., Kabel, S., Llorca, C., Moeckel, R., Moreno, A.T., Pukhova, A., Rothfeld, R., Shamiyeh, M., Straubinger, A., Wagner, H. & Zhang, Q. Long-term application potential of urban air mobility complementing public transport: an upper Bavaria example. CEAS Aeronautical Journal 11, 991–1007 (2020). <https://doi.org/10.1007/s13272-020-00468-5>
3. Ripepi, M., Verveld, M.J., Karcher, N.W., Franz, T., Abu-Zurayk, M., Görtz, S. & Kier, T.M. Reduced-order models for aerodynamic applications, loads and MDO. CEAS Aeronautical Journal 9, 171–193 (2018). <https://doi.org/10.1007/s13272-018-0283-6>.

For the CEAS SPACE JOURNAL:

1. Scott Evans, William Taber, Theodore Drain, Jonathon Smith, Hsi-Cheng Wu, Michelle Guevara, Richard Sunseri & James Evans. MONTE: the next

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- generation of mission design and navigation software. CEAS Space Journal, 2018, Volume 10(1), Page 79-86.
2. Francisco Lázaro, Roland Raulefs, Wei Wang, Federico Clazzer & Simon Plass. VHF Data Exchange System (VDES): an enabling technology for maritime communications. CEAS Space Journal, 2019, Volume 11(1), Page 55-63.
 3. A. Schleicher, T. Ziegler, R. Schubert, N. Brandt, P. Bergner, U. Johann, W. Fichter & J. Grzymisch. In-orbit performance of the LISA Pathfinder drag-free and attitude control system. CEAS Space Journal, 2018, Volume 10(4), Page 471-485.

GENERAL ASSEMBLY AND BOT MEETINGS DURING 2023

The General Assembly was held only once, in November, while the BoT Meeting was held four times, in hybrid mode in April, July and November and pure online mode in September. The CEAS Board of Officers meeting was held also only once along the year, in October. At the end of the year, the CEAS Officers appointed for 2024 are the following:

- CEAS President, Mr. Franco Bernelli Zazzera.
- Vice-President Publications and External Relations, Mr. Lucasz Kiszkowskiak.
- Elected Vice-President Awards and Membership, Mr. Anders Blom.
- Vice-President Finance, Mrs. Cornelia Hillenherms.
- Director General, Mr. Andrea Alaimo.
- Aeronautics Branch Chairman, Mr. Jonathan Cooper.
- Space Branch Chairman, Mrs. Britta Schade.

The major and important decisions that have been taken along the year have been presented in this report.

Prof Franco Bernelli – President of CEAS

Milano, 08.01.2024.

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