

CEAS Annual Report 2014

By Fred Abbink

In 2014 CEAS has worked on the following main subjects;

- CEAS Strategy 2015-2020
- Knowledge dissemination
- European links
- International relationships
- Education and young people

CEAS Strategy

In September 2015 it will be 10 years since the CEAS Statutes and Bylaws were signed in Hamburg.

It felt like a good idea to prepare the CEAS strategy for 2015-2020 and present it on the next biennial CEAS Conference in 2015.

To this purpose a draft letter was prepared to the Presidents of the CEAS Member Societies with an annex with questions related to the CEAS Strategy 2015-2020. These were discussed and finalized during the CEAS Board of Trustees meeting in June 2014. To discuss these questions, I made dedicated visits to the presidents of the RAeS, 3AF, and DGLR. These visits provided valuable background information about the opinions of these large CEAS Member Societies on the values and special tasks for CEAS. A first result of the reactions of the CEAS Member Society Presidents was provided on the Board of Trustees meeting in October.

Knowledge dissemination

For the ICAS 2014 Congress in St Petersburg 10 CEAS Member Societies provided over 375 papers. The papers of the ICAS 2014 Congress will be openly made available through the ICAS Website.

The CEAS Technical Committees were active in preparing and organizing a great number of specialist conferences:

- CEAS Specialist Conferences on Aeronautic Subjects were:
 - 20th AIAA/CEAS AAC 2014: Atlanta (USA) as part of "AIAA Aviation 2014", 16-20 June 2014
 - European Rotorcraft Forum ERF 40: in Southampton (UK), 2 - 5 Sep 2014
 - 18th Workshop 'Aircraft noise reduction by flow control and active/ adaptive techniques', Vilnius (Lit), 25-26 Sept 2014
 - Technical Committee on Aircraft Design (TCAD) Symposium on Collaboration in Aircraft Design, ONERA Toulouse (F), 25-27 Nov 2014

- CEAS Specialist Conferences on Space Subjects were:
 - 10th European Space Power Conference, April 2014, Noordwijkerhout (NL)
 - 4th Space Propulsion 2014 , May 2014, Cologne (GE)
 - 42nd Aerospace Mechanism Symposium, May 2014, Baltimore (USA)
 - 9th Int. ESA Conf. on Guidance Navigation and Control, June 2014, Porto (PO)
 - 28th Annual European Space Thermal Analysis Workshop, Oct 2014, Noordwijk (NL)
 - Workshop on Additive Manufacturing for Space Application, Oct 2014, Noordwijk (NL)

The CEAS Aeronautical and Space Journals play an important role in allowing authors in the nations of the CEAS Member Societies to publish their papers in a peer-reviewed journal. Of the CEAS Aeronautical Journal 4 issues with 38 papers were published and of the CEAS Space Journal 2 issues with in total 12 papers. This was made possible by the great support and leadership of Christophe Hermans (CEAS Branch Chief Aeronautics) and Constantinos Stavrinidis (CEAS Branch Chief Space and Space Journal Chief Editor) and their Technical Committee chairs and supporting staff, together with the invaluable contribution of the Aeronautical Journal Chief Editor Rolf Henke.

And of the CEAS Bulletin 4 quarterly Issues were published. Jean-Pierre Sanfourche (Editor of the CEAS Bulletin) played an essential role in the realization of this important “Face of CEAS”. The CEAS Bulletin amongst others contains interesting articles on actual aerospace subjects and a listing of all important upcoming aerospace events and conferences.

The CEAS 2015 biennial conference, with the theme “Challenges of European Aerospace”, to be held in Delft 7-11 September 2015 is being prepared.

Over 230 abstracts were provided from authors from 26 nations. High ranking representatives from Airbus, Fokker, ESTEC, DutchSpace, AEA, AirFrance/KLM, DLR, NLR, ACARE, CleanSky, SESAR, EDA, LVNL, TU-Delft and RNLAF have agreed to give keynote presentations. The CEAS Programme Committee to assess and select the papers was formed.

The CEAS Gold Award 2015 will be presented to Dr-Ing Joachim Szodruch at the CEAS 2015 Conference.

European Links

- In July 2014 a meeting was held with the CEAS MoU partner Académie de l’Aéronautique et de l’Espace (AAE) in Paris to discuss the AAE-CEAS cooperation. Items on the agenda were the CEAS Strategy and the CEAS 2015 agenda. AAE will be part of the CEAS 2015 Programme Committee and support the programme with presentations/papers.
- CEAS, together with CIMNE, ERCOFTAC, EUROMECH and EUROTURBO have developed a proposal for European Collaborative Dissemination of Aeronautical Research and Applications (E-CAERO 2) to the European Commission. To discuss the new CEAS Strategy and the link with the European Commission as well as the E-CAERO2 participation CEAS has invited Dr Dietrich Knoerzer to its Board of Trustees Meeting in October. I am very grateful to Pierre Bescond, (CEAS Vice President for External Relations and

Publications), who, assisted by Christophe Hermans (CEAS Branch Chief Aeronautics) and Mercedes Oliver-Herrero (CEAS Director General) for their great efforts that made the CEAS contribution to E-CAERO 2 possible and successful.

- As CEAS President I was asked to become a Member of the Advisory Board, for the preparation of the EU Aerodays in London, October 2015. The first meeting of the Advisory Board was held in London in November.
- On December 10, I was invited as CEAS President to give a presentation on CEAS. At this presentation the common interests of CEAS and EREA and the possibility to make a CEAS-EREA MoU will be explored.

International Relationships

I am since a long time member of the ICAS Programme Committee and since December 2014 also of the ICAS Executive Committee. This direct link enables an optimum interaction between CEAS and ICAS. At the ICAS 2014 Congress in St Petersburg I was able to discuss the ICAS-CEAS cooperation in the context of the ICAS-CEAS MoU. Furthermore it was possible to provide the CEAS 2015 conference leaflet to all the attendees.

In the AIAA International Activities Committee in St Petersburg it was possible to talk to the new Executive Director of AIAA, Dr Sandra Magnus about the CEAS-AIAA MoU and provide her with information on CEAS and CEAS 2015.

As follow-up of the CEAS MoUs with ICAS, AIAA, AAE, CSA and KSAS it was decided to provide these organisations with versions of all new CEAS Bulletins and Aeronautical and Space Journals.

Education and Young People

- CEAS supports the links with the aerospace students through its relation with EUROAVIA. For EUROAVIA Jacqueline Chindea is member of the CEAS Board of Trustees. On May 13 Christophe Hermans gave a presentation on CEAS to the EUROAVIA congress in Delft.
- The CEAS 2015 Conference will be held at the Aula Congress Centre of the Technical University Delft.
- This will enable the aerospace students of the TU-Delft and of the Aerospace Division of the InHolland College to easily attend the keynote lecture in the large auditorium.
- CEAS is working on means to make the papers presented on its biennial conferences as well as of its Specialist Conferences open available to students, young professionals and to its individual members. The Presidents of the CEAS Member Societies strongly support this initiative. The E-CAERO 2 EU project will also initiate activities towards this objective, and incorporating the aerospace related papers from other more broad conferences as ERCOFTAC, EUROMECH and EUROTURBO.

General

- In 2014 we have had two General Assembly meetings in 2014 (Paris-Jan 16 and Brussels-Dec 9) and five Trustee meetings (Paris- Jan 17, Brussels-March 4, Noordwijk-June 10,

Brussels- 17 Oct and Brussels-Dec 9). At the evening before the Paris General Assembly the CEAS Gold Award was presented by David Marshall to Mr Louis Gallois.

- We had to say goodbye and “thank you very much for all you have contributed to CEAS” to David Marshall and Paul Bailey from the RAeS. David has served CEAS excellently as Trustee Board Member and President in 2013. Paul Bailey served excellently for many years Trustee Board Member and a very capable Vice President Finance. CEAS acknowledges the great services to CEAS they provided.
- I am grateful that Cornelia Hillenherms of DGLR was willing to succeed Paul Bailey in the function of VP Finance. We welcomed David Chinn and Emma Bossom as new RAeS CEAS Trustees.

Because David is also Head of Unit and R&T Coordinator of the European Defence Agency (EDA) the CEAS link with EDA is strengthened.

- CEAS made a first assessment of potential additional European Member Societies and Corporate Members. We could welcome to new Portuguese Corporate Member LAETA.
- Under the leadership of Kaj Lundahl, CEAS Vice President Awards and Membership the selection of the recipient of the CEAS Gold Medal 2015 was prepared and executed.
- A new CEAS Technical Committee on Integrated Air Transport Operations was founded by Prof Ricky Curran and Prof Volker Gollnick. This brings the number of Aeronautical Branch Technical Committees to six:
 - Aero acoustics
 - Rotorcraft
 - Aero elasticity & structural dynamics
 - Guidance, Navigation and Control
 - Aircraft design
 - Integrated Air Transport Operations
- CEAS is preparing a new CEAS Website. Thomas Vermin has finalized the new website design and the testing by the Trustee Board Members has started.

I want to sincerely thank all the CEAS Trustees for their support in 2014. A special thanks goes to Mercedes Oliver-Herrero (and her employer Airbus) for her outstanding work as CEAS General Director and for her great support she has given me.

Fred Abbink - CEAS President

December 2014