

CEAS ANNUAL REPORT FOR 2015

By Fred Abbink, CEAS President 2015

In 2015 CEAS has worked on the following main subjects;

- CEAS Strategy 2015-2020*
- Membership and European cooperation*
- Knowledge dissemination*
- CEAS Journals and Bulletin*
- European links*
- International relationships*
- Education and young people*

CEAS Strategy

In September 2015 it was 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 discuss it with the CEAS Presidents at the President's Lunch on the CEAS Conference on September 7, 2015.

Important the points in the CEAS strategy are:

- to increase the number of CEAS Members, Corporate Members and strengthen the links with for CEAS important European organisations through MoUs.
- to strengthen the relation with the European organisations, as EU Horizon 2020, JU Clean Sky, JU SESAR, EREA, EDA, EASA, etc.
- to strengthen the links with the European aerospace universities and student/young professionals
- to promote the CEAS Journals as an important vehicle for the peer-reviewed publication of European aerospace articles.

Membership and European cooperation

- On March 17, I was invited to give a keynote speech at the Clean Sky Forum in Brussels. The title of the presentation was "European Aerospace Competitiveness: Successes and Challenges. In the presentation I could also present CEAS as an example of excellent cooperation between 12 European member Societies with in total 34000 individual members.
- In September 2015 at the CEAS 2015 Air and Space Conference the Memorandum of Understanding between CEAS and the association of European Research Establishments in Aeronautics (EREA) was signed by the EREA President Josef Kaspar and the CEAS President.
- In November 2015 EASA became a Corporate Member of CEAS. This increased the number of Corporate Members to 5 (ESA, VKI, EUROAVIA, LAETA and EASA)
- In December 2015 the Czech Aerospace Society became full member of CEAS. With this Czech membership the number of full members increased to 13.

-At the December Board of Trustees meeting a new MoU with The European Aeronautics Science Network Association EASN was discussed.

Knowledge dissemination

The CEAS 2015 biennial conference, with the theme “Challenges of European Aerospace”, was held in Delft, The Netherlands on 7-11 September 2015.

-530 delegates (90% European) attended the event on one or more days from 40 nations all over the world,

-240 speakers presented (16 keynote plenaries, 140 scientific papers, 111 of which dealt with aeronautics and 29 with space related subjects),

-3 EU project workshops (AFLonext, IN2SAI, PulCheR) and European Strategic Wind tunnels Improved Research Potential ESWIRP achievements presented,

-12th European Workshop on Aircraft Design Education EWADE meeting held,

-14 exhibitors participated with their booths,

-200 delegates attended the dinner at the paddle steamer "De Majesteit" while cruising the impressive Rotterdam harbors, During the dinner, the CEAS Gold Award 2015 was presented to Joachim Szodruch (DLR, Germany) for his lifelong efforts to increase European cooperation in the field of European cooperation in aerospace.

The papers of the CEAS 2015 Congress will be openly made available through the CEAS Website.

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

-CEAS Specialist Conferences on Aeronautic Subjects were:

-The 3rd CEAS EuroGCN Conference was held in Toulouse from April 13-15. The conference was co-organised by ONERA, ISAE-SUPAERO and ENAC.

-The 21th AIAA/CEAS Aeroacoustics Conference was held in Dallas (USA) on June 15.

-The 16th International Structural Aeroelasticity and Dynamics Forum IFASD 2015 was held in St Petersburg, Russia from June 28- July 2. The Forum was organised by our CEAS Member Society TsAGI ,

-The 5th International Air Transport and Operations Symposium in Delft, The Netherlands on 20-23 July. Organised by the CEAS Aeronautics Branch Technical Committee “Integrated Air Transport Operations”.

-The 41th European Rotorcraft Forum (ERF) was held from 1-4 September in Munich, Germany

-The 12th European Workshop on Aircraft Design Education (EWADE 2015) was held in Delft on Sept 9-11 in Delft, The Netherlands

-The 19th CEAS Aeroacoustics workshop ‘Broadband Noise of Rotors and Airframe’ was held on September 23-25 in La Rochelle, France

-CEAS Specialist Conferences on Space Subjects, organised or co-organised by our CEAS Corporate Member ESA, were:

- 8th European Symposium on Aerothermodynamics For Space Vehicles Symposium was held from 2-6 March in Lisbon, Portugal,
- 13th Symposium on Advanced Space Technologies in Robotics and Automation, 11-13 May 2015, ESA/ESTEC, Noordwijk, The Netherlands
- 16th European Space Mechanism and Tribology Symposium (ESMATS) 2015 was held from 23-25 September in Bilbao, Spain,
- 12th International Planetary Probe Workshop, 15-19 June 2015, Cologne, Germany
- 29th European Space Thermal analysis Workshop, 3-4 November 2015, ESA/ESTEC, Noordwijk, The Netherlands,
- 29th European Space Thermal analysis Workshop, 3-4 November 2015, ESA/ESTEC, Noordwijk, The Netherlands,
- 2nd Workshop on Spacecraft Shock Environment and Verification, 19-20 November 2015, ESA/ESTEC, Noordwijk, The Netherlands
- Workshop on Innovative Technologies for Space Optics Active Optics, Free Forms, Stray-light Modelling and Test, 23-26 November, ESA/ESTEC, Noordwijk, The Netherlands

CEAS Journals and Bulletin

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 45 papers were published and of the CEAS Space Journal 4 issues with in total 34 papers. This was made possible by the great support and leadership of Christophe Hermans (CEAS Branch Chief Aeronautics) and Constantinos Stavrinides (CEAS Branch Chief Space) and their Technical Committee chairs and supporting staff.

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 Bulletins and Aeronautical and Space Journals are excellent ways to increase the visibility of CEAS. In the EREA Board meeting in December 2014 several EREA Board members expressed their views that the CEAS Journals should be used to publish the papers of their Research Establishments.

European Links

-The CEAS MoU partner Académie de l'Aéronautique et de l'Espace (AAE) was part of the CEAS 2015 Programme Committee and support the programme with presentations/papers.

-CEAS, together with CIMNE, ERCOFTAC, EUROMECH and EUROTURBO have worked on the EU Project European Collaborative Dissemination of Aeronautical Research and Applications (E-CAERO 2).

I am very grateful to Pierre Bescond, (CEAS Vice President for External Relations and Publications), Christophe Hermans (CEAS Branch Chief Aeronautics) and Mercedes Oliver-Herrero (CEAS Director General) for all their work to support E-CAero 2.

-On 20-23 October the EU Aerodays – the 7th European Aeronautics Days – ‘Aviation in Europe – Innovation for Growth’ were held in London. The CEAS Vice President External Relations, Pierre Bescond was invited to deliver the CEAS presentation. Furthermore CEAS had a booth in the exhibition area and several CEAS Board members participated in these EU Aerodays.

International Relationships

On 31 August-3 September, the ICAS Programme Committee Workshop was held in Krakow, Poland, with a very interesting workshop on complex systems. The ICAS Programme Committee selected the abstracts for the ICAS Congress 2016 in Daejon, Korea. A number of CEAS Board members participated in this ICAS Programme Committee meeting;

Furthermore I participated in the AIAA International Activities Committee meeting I was able to discuss the ICAS-CEAS cooperation in the context of the ICAS-CEAS MoU.

Education and Young People

-CEAS supports the links with the aerospace students through its relation with EUROAVIA. The EUROAVIA President Pia Becker was present at the meetings of the CEAS Board of Trustees in 2015. On 22 September in Leuven, Belgium I had the opportunity to present “CEAS in Brief” at the EUROAVIA Annual Meeting of the EUROAVIA Congress;

-The CEAS 2015 Conference at the Aula Congress Centre of the Technical University Delft enable 140 aerospace students of the TU-Delft and of the Aerospace Division of the InHolland College to easily attend the keynote lectures 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 2015 we have had one General Assembly meetings (Brussels-Dec 9) and four Board of Trustees meetings (Bologna - Febr 28, Warsaw-June 5, Delft-Sept 8 and Brussels-Dec 9).

At the Board of Trustees meeting in Delft the CEAS Member Society AAAR was selected to organize the 6th CEAS Air and Space Conference 2017 in Bucharest, Romania; In the context of the E-CAero 2 project Christophe Hermans and I visited AAAR and the proposed venue for the 6th CEAS Conference together with representatives of Eucass on October 26-27 to investigate the possibility to have a joint CEAS-Eucass Air and Space Conference in 2017 in Bucharest.

-Under the leadership of Kaj Lundahl, CEAS Vice President Awards and Membership the selection of the recipient of the CEAS Gold Medal 2016 was prepared and executed.

-CEAS has started using the new CEAS Website.

I want to sincerely thank all the CEAS Trustees for their support in 2015. 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.

Finally to my great sorrow, CEAS was confronted with the sudden death of prof. Franco Persiani, former President of the AIDAA and CEAS Trustee for many years. And Franco Persiani, from Bologna University and AIDAA President, was inducted Honorary Member of the Greek Society (HAES) by its President Ioannis Vakrados at a ceremony and reception on the eve of our BoT meeting in Athens, 14th June 2012. He was a great supporter of European cooperation in aerospace, a strong supporter of CEAS and a very cooperative and pleasant person to work with.

In 2011 he successfully organised the 3rd CEAS Air and Space Conference in Venice and in February 28 of 2015 he still welcomed us in Bologna for our Board of Trustees meeting

We are grateful for what he did for CEAS and will dearly miss him.