

The Royal Aeronautical Society - Brussels Branch
The Flemish Aerospace Group and
KU Leuven-LASA
invite you to the

FLEMISH AEROSPACE GROUP'S TECHNOLOGY
DAY and a LECTURE by ERIC DAUTRIAT, THE FORMER
EXECUTIVE DIRECTOR of THE CLEAN SKY JOINT
UNDERTAKING

Invitation – Programme

DATE & TIMES

° Monday, 23 October 2017: 11:00-18:00

FLAG's Technology Day

° Monday, 23 October 2017: 18.00 -20:30

European funding in aviation and a Lecture by Eric Dautriat:

"Today's R&I challenges in aerospace"

VENUE

KU Leuven (University of Leuven)

Leuven, Belgium

Aula van de 2de Hoofdwet

Thermotechnisch Instituut

SCOPE OF THE DAY PROGRAMME

Research groups from different disciplines at Flemish Universities and in the aerospace industry are working on various areas of aviation research and validation. To facilitate the building of bridges in the aerospace domain, the Flemish Aerospace Group (FLAG) is holding their second workshop to help promote personal contacts between academia and the aviation industry. The workshop will:

- present **research results** and describe areas of **expertise**;
- report on current **commercialisation** activities;
- give rise to new **opportunities**;
- facilitate **free debate** on the **general situation of aviation research in Flanders**.

The workshop offers participants an opportunity to have an **overview** of the diverse activities and offer the possibility of finding **partners** for future **collaboration** initiatives. It will also strengthen the relationships between FLAG's members and the Flemish Universities. Besides the leading-edge presentations given by our academic and industrial partners, practical demonstrations will also be made and it will be possible to display posters and distribute promotional material and information.

SCOPE OF THE EVENING PROGRAMME

The day will end with a lecture by Eric Dautriat, the former Executive Director of the Clean Sky Joint Undertaking, on **"TODAY'S R&I CHALLENGES IN AEROSPACE"**.



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Eric Dautriat is an engineer who graduated from the Ecole Centrale de Lyon in 1977. He joined Snecma in 1978 as a mechanical engineer and shortly after that became their engineer for Advanced Projects. Later, he joined the Centre National d'Etudes Spatiales (CNES) where he served as the French delegate on the Ariane Programme Board as well as the Scientific Programme Board of the European Space Agency, all in 1985.

From 1988 to 2003, he was a member of the CNES Launchers Directorate and successively Deputy Manager of Ariane 4 complementary programmes; Manager of Advanced Projects; Project Manager of the Ariane 5 Solid Rocket Booster and, finally, Director of Launchers from 1997 to 2003. He was in charge of Ariane 5 developments, by delegation of the European Space Agency, and of national Research and Technology activities.

Between 2003-2008, he was Vice President "Quality" of the Safran Group and finally, from 2008 until 2016, he was appointed as the Executive Director of the Clean Sky Joint Undertaking. Eric Dautriat is a Chevalier de la Légion d'Honneur.

In addition to that, Jean-Francois Brouckaert, Project Officer at the Clean Sky Joint Undertaking, will introduce the Joint Undertaking, including a presentation of how academics can be involved in the works of the Clean Sky programme. The Clean Sky Joint Undertaking will present its initiative called "Clean Sky Academy", set-up with a mission to strengthen the involvement of students and Post-Docs in aeronautical research. It does this through stronger cooperation and the involvement of Academia and Research Centres and by creating formalised interfaces on an institutional level with representatives of European academic bodies.

The Clean Sky Academy will focus primarily on providing inputs in terms of areas of research and projects that can increase structured contributions from the student body and academic faculties. The Clean Sky Academy will also support the definition of research priorities relevant for upcoming thematic calls, aimed at challenge-oriented aeronautics research projects open to different technology pathways, and benefiting from the strong involvement of Academia.

Last but not least, Hugues Felix, representative of the EU Innovation and Networks Executive Agency (INEA) will give a presentation on "Bottom-up Aviation Research supported by INEA".

INEA's main objective is to support the European Commission, project promoters and stakeholders by providing high-level programme management expertise to infrastructure, research and innovation projects in the fields of transport, energy and telecommunications. In doing so, INEA seeks to promote synergies between these activities, boosting economic growth and improving services for EU citizens.

DAY PROGRAMME

11:00 – 13:00 OPENING and SESSION 1

Helge Pfeiffer – (KU Leuven)

"Opening of the workshop"

Dirk Vandepitte (KU Leuven)

"The Leuven centre for Aero & Space science, technology and Applications"

Joerie De Ruytter (The Royal Aeronautical Society)

"The Royal Aeronautical Society and the work of its Brussels chapter"

Kris Van der Plas (The Flemish Aerospace Group)

"Aviation industry in Flanders - Excellence by Research & Development"

Gunther Steenackers (University of Antwerpen)

"Aviation research at the University of Anwerpen and future opportunities"

Michaël Daenen (University of Hasselt)

"Aviation research at the University of Hasselt and future opportunities"

Wouter Remmerie (Airshaper)

"Short presentation of the start-up "AirShaper" on making professional aerodynamics accessible"

13:00 – 14:00 LUNCH, POSTER SESSION AND DEMONSTRATIONS

14:00 – 15:30 SESSION 2

Patrick Guillaume (Vrije Universiteit Brussel – Free University of Brussels, Belgium)

"Aviation research at the University of Brussels and further opportunities"

Jo Reynaert (Brussels Airlines, Belgium)

"Research & Innovation at Brussels Airlines"

Herman Deconinck (Von Karman Institute (VKI) Brussels, Belgium)

"Overview of Aerospace and Propulsion research at the von Karman Institute"

Thierry Olbrechts (Siemens Industry Software NV, Leuven, Belgium)

"Aircraft Performance Engineering - Digital Enterprise Solutions"

Marc Heylen (Altran, Belgium)

"Altran, the world's largest independent engineering services provider"

Stein Janssens (Aerocircular, Belgium)

"A circular approach to the aircraft lifecycle: outlook & research challenges"

15:30 – 16:00 COFFEE BREAK

16:00 – 17:30 SESSION 3

Dirk Vandepitte (KU Leuven)

"Aviation research at the KU Leuven and future opportunities"

Steven Wathiong (SABCA Limburg, Belgium)

"Strategic Research & Development at Sabca Limburg - Needs within the industrialization & manufacturing process" (title tbc)

Pascal Lava et al. (MatchID)

"Digital Image correlation (DIC) in aeronautics: a valuable tool to assess and validate the mechanical behaviour of materials and structures"

Karel Versteede (Sabena Aerospace – Engineering Department)

"tbc"

Evgeni Andreev (TsAGI)

"TsAGI' research capabilities"

Brieuc Spindler (ASCO Industries, Belgium)

"Research & Innovation themes at ASCO - Opportunities and challenges for the innovation chain of academia and industry (title tbc)"

NN (Royal Higher Institute for Defense, Belgium)

Presentation of the "Koninklijke Militaire School" (Royal Higher Institute for Defence) and its aviation-related activities

EVENING PROGRAMME

17:30 – 18:00 BREAK AND ARRIVAL FOR THE EVENING PROGRAMME

18:00 – 19:30 SESSION 4

Hugues Felix (The Innovation and Networks Executive Agency - INEA)

"Bottom-up Aviation Research supported by INEA"

Jean-Francois Brouckaert (CleanSky JU)

"The Clean Sky Academy"

Kim Van Meensel (KU Leuven)

"Testimonial from a recently started CleanSky project"

Eric Dautriat (former CEO of Clean Sky JU)

"Today's R&I challenges in aerospace"

19:30 – 20:30 RECEPTION

KU Leuven (University of Leuven) - LASA



The Leuven centre for Aero & Space science, technology and applications focuses on the fields of aero- and astronautics, supporting the development of advanced methods. As KU Leuven is a general university, we not only address science but also technology and the humanities. The LASA research centre centres its activities on multidisciplinary interaction with the research groups belonging to KU Leuven and other industry, government and research institutes.

<https://set.kuleuven.be/lasa>

The Flemish Aerospace Group - FLAG



The Flemish Aerospace Group (FLAG) is a cluster organisation for enterprises active in the aerospace market. Our organisation supports the development of aviation and related technologies. It improves the visibility of Flemish aerospace globally, aiming for a growing market share. We cater for our members' interests on a political level, facilitate networking between our members and support establishing a triple helix structure for R&D. <http://flag.be/>

The Royal Aeronautical Society - Brussels Branch



The Brussels Branch of the Royal Aeronautical Society was formed in 2004 and registered as a not-for-profit society in 2005. The Branch has the fortunate distinction of not only being close to all aspects of Belgian aviation, including industry, air traffic services and airports, but also to the European political and regulatory institutions. The Branch regularly holds talks on a variety of aerospace topics and arranges visits to places of interest for its members and others interested in aviation.

<https://www.aerosociety.com/get-involved/branches-divisions/europe/brussels/>

Diversa

Poster display or demonstration

Speakers and visitors are invited to display posters or to give demonstrations at the Technology Day. Other types of material, such as flyers, one-pagers, brochures and leaflets, can also be distributed. If you would like to do this, please indicate your interest when you register and make sure that this is done **before 7 October 2017**.

Venue

KU Leuven

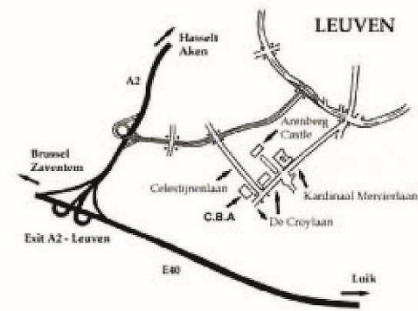
Auditorium De Tweede Hoofdwet

Thermotechnisch Instituut

Kasteelpark Arenberg 41

3001 Heverlee

<http://www.esat.kuleuven.be/inaugurals/download/Route.pdf>



Travel and Accommodation

For help with travel or accommodation arrangements, please contact:

secretariaat@mtm.kuleuven.be **Tel:** +32 /(0)16 32 13 00

Fax: +32 /(0)16 32 19 90

Registration

Participation is free, but registration is required.

Please register via email:

helge.pfeiffer@kuleuven.be

before the 16th of October 2017.

