

9th European Conference for Aeronautics and Space Sciences

Official
program
2022



27 JUNE - 1 JULY 2022 | LILLE | FRANCE

**CNES supports
EUCASS community.**

2022

Message from the Presidents

It is our pleasure to introduce the ninth edition of the EUCASS conference, which takes place in Lille Grand Palais (France) from 27th June till 1st July 2022 with the friendly support of 3AF (Association Aéronautique et Astronautique de France).

After the years 2020 and 2021 that proved so difficult for the aeronautical and space sectors, EUCASS-3AF 2022 brings together worldwide professionals, experts and students to discuss issues and perspectives, and review the latest scientific and technological developments. It is an opportunity for our entire scientific community to renew direct scientific contacts and present its results and proposals for tomorrow's aeronautics and space in a world forced to change.

This conference, organised by the non-profit association EUCASS, is one of the best attended conference on aeronautics and space sciences. The conference was launched in 2004 by dedicated scientists and engineers from Western Europe and Russia. Previous issues have been held in Moscow (2005), Brussels (2007), Versailles (2009), Saint Petersburg (2011), Munich (2013), Krakow (2015), Milano (2017) and Madrid (2019).

This premium biennial event is supported this time by academics (Université de Lille, Centrale Lille, Université Polytechnique Hauts-de-France) and industrial clusters from France (Aer'Hauts-de-France and Normandie Aérospatiale) and Belgium (Skywin).

The conference benefits the financial support of CNES, SIEMENS, DLR, DEWESOFT, ONERA, ALTYTUD, BRIGHT ASCENSION, ARIANGROUP, IPSA, SAMMBA, TTM, and public institutions: Région Hauts-de-France and Métropole Européenne de Lille.

EUCASS-3AF 2022 represents an exceptional opportunity to reach a uniquely targeted audience and demonstrate your commitment to the future of aeronautics and space. We trust your presence at EUCASS-3AF 2022 is vital for all players.

Enjoy your stay in Lille!



Alain MERLEN
EUCASS,
President



Louis LEPORTZ
3AF,
President



Program at-a-glance

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Time	Monday 27 June	Tuesday 28 June	Wednesday 29 June	Thursday 30 June	Friday 1 July
09:00 - 10:00					
10:00 - 11:00		Welcome coffee and Registration Opening Ceremony EUCASS Alain Merlen - Doyle Knight Uni Lille Olivier Colot 3AF Michael Assouline ESA Britta Schade CNES Pascale Ulbre-Gerard DLR Stefan Schepotriem VDI Peter Groganard ArianeGroup Isabelle Bongler ONERA Eric Delesombe			Technical session P 6.1 Pierre Cresto - Air Liquide Hydrogen for Future P 6.2 Ron van Manem Clean Aviation
11:00 - 12:00					
12:00 - 13:00		Lunch	P 2 Hervé Gilbert - ArianeGroup Claudio Ferraris - Avio European launchers: preparing the future	Technical session P 4 Georgios Symeonidis Sebastian Merkel Thierry Magin European Research Council	Technical session P 7.1 Laurent Camber - ONERA High performance numerical simulation P 7.2 Christophe Bonnal - CNES Space pollution
13:00 - 14:00					
14:00 - 15:00		Exhibition / Coffee Breaks P 1.1 Riad Haider - ONERA Cross-disciplinary research for Future New space P 1.2 Christelle Astorg-Lepine - BLAST	Lunch P 3.1 Didier Grandhilla - Siemens Advanced Performance Engineering P 3.2 Murielle Lafaye - CNES Prospective	Exhibition / Coffee Breaks P 5.1 Rodrigo Da Costa ELUSPA P 5.2 Gérard Carrier - ONERA Future of Transport Aircraft	Technical session
15:00 - 16:00					
16:00 - 17:00		Technical Session Exhibition / Coffee Breaks	Technical session	Technical session	Technical session
17:00 - 18:00	On-site registration				
18:00 - 19:00		Get Together party Hôtel de Région	Gala dinner Dedicated registration CCI	General Assembly	
19:00 - 20:00 +	Welcome reception Lille Métropole				



Your conference in details

Due to the number of presentations (talks and posters), please refer to the online detailed schedule on the web site: [www.eucass-3af.com](#) or on the mobile app:



WELCOME RECEPTION

Monday 27 June

The on-site registration will open at Lille Grand Palais conference center on Monday, from 16:30. Come to pick-up your badge and your conference bag. A cocktail reception will follow from 18:00 to 20:00, at Lille Métropole hall.

GET TOGETHER PARTY

Tuesday 28 June

This cocktail reception will be held on Tuesday, from 19:00, at Hôtel de Région Haut-de-France building, 151 avenue du Président Hoover, Lille, 200 m from the Congress Center.

GALA DINNER

Wednesday 29 June

On dedicated registration only (limited number of seats), the conference banquet will be served on Wednesday, from 19:00, at Hall d'Honneur of the Palais de la Bourse, Chambre de Commerce et d'Industrie, Place du Théâtre, Lille. Your invitation card will be requested at the entrance.

The **Best Student Paper Award** will take place during the Gala Dinner.



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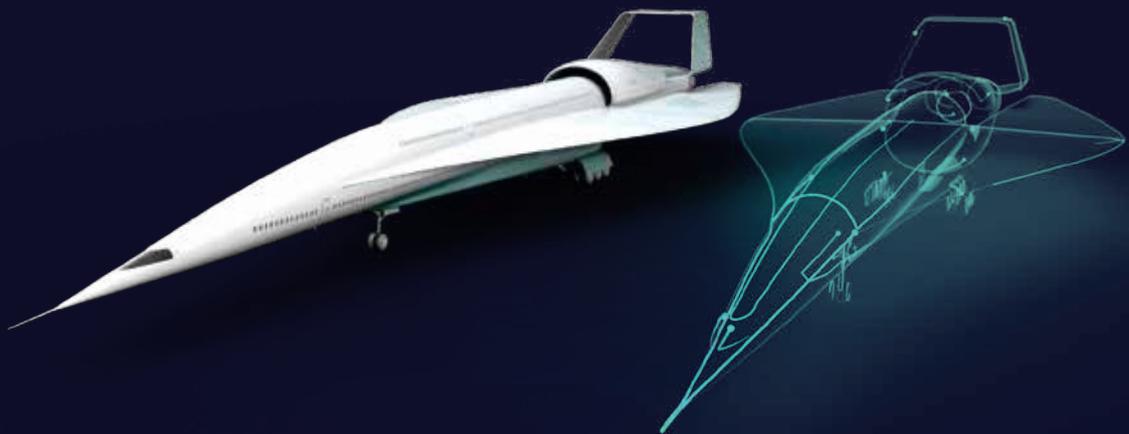
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With the participation of:



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