



FT2025

SWEDISH AEROSPACE  AT THE CROSSROADS

Invitation and Call for abstracts

The 12th Swedish
Aerospace Technology Congress


STOCKHOLM WATERFRONT CONGRESS CENTRE


October 14-15, 2025

Arranged by:



ft2025.se

Welcome to the 12th Swedish Aerospace Technology Congress in October 2025

Dear colleagues and partners,

On behalf of the Swedish Society of Aeronautics and Astronautics (Flyg- och rymdtekniska Föreningen, FTF) and the Swedish Strategic Innovation Programme for Aeronautics (Innovair), we are pleased to invite your organisation to our Congress **FT2025**, which is themed **Swedish aerospace at the crossroads**. The Congress is open to national and international partners and delegates.

Sweden has a longstanding legacy of producing advanced technology in the aeronautical sector. Today, the field faces new and complex challenges, including the push toward environmentally sustainable aviation, the development of next-generation fighter aircraft and autonomous aerial systems as well as the exploration and utilisation of space.

Swedish companies are at the forefront of developing advanced aerospace structures and components manufactured by lean and sustainable production methods in all these areas. Moreover, Sweden has several technical universities that are highly ranked by global standards. Besides the larger enterprises, Sweden comprises many small- and medium-sized entrepre-

neurs whose lead time for developing novel technology is short and ready to be implemented by major aerospace companies. In addition, the Swedish work environment is known for its openness, flat hierarchy and multi-cultural atmosphere, all of which simplify research and innovation progress. Sweden is a comparatively small country; these factors are essential keys to our nation as a world-renowned aerospace partner.

The Congress FT2025 will take place from 14 to 15 October 2025 at Stockholm Waterfront Congress Centre, located in the city centre of Stockholm. We expect more than 300 delegates and 250 presentations at the Congress and an exhibition of Products and Services at the venue. Top-level managers from the leading European and international aerospace consortiums are invited for plenary lectures on today's most important topics.

Our recurrent congresses have become Sweden's most important forum and network for aerospace companies, engineers and researchers. Attendees will have unparalleled opportunities for networking and

scientific exchange during formal and informal meetings with colleagues from Sweden and abroad, fostering new collaborations and insights.

FTF was founded in 1933 to promote and stimulate interest in aeronautics and astronautics technology in Sweden. About 1 200 aerospace engineers and scientists are members of the FTF. Since 1992, FTF has hosted a national aerospace congress devoted to the progress of aeronautics and astronautics in Sweden every third year. This Congress is a crucial platform for advancing our field and your participation is vital to its success.

Welcome to Stockholm in October 2025 as a delegate or partner.

Sincerely,



Dr. Roland Karlsson
Chairman FTF
ftfsweden.se



Yvonne Rosmark
Program Director Innovair
innovair.org

Programme committee

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Congress topics – aeronautics and astronautics

The sessions below with examples of topics should be considered as guidelines. Changes may occur depending on the profiles of the accepted abstracts. The technical sessions will run in parallel during the two-day Congress.

1 Major cooperative projects

Military aircraft, civil aircraft, missiles/weapons, satellites, launch vehicles, European Defence Fund (EDF), Horizon Europe, Clean Aviation, Clean Sky and SESAR projects.

2 Aircraft and spacecraft technologies

Conceptual design, system of systems, cooperating systems, customer and functional requirements, system safety, security solutions, concept development, modelling and simulation, air and space transportation systems, operational applications, Air Traffic Management (ATM).

3 Structures, materials and processes

Loads, stress analysis, fatigue and fracture, damage tolerance, durability, structural dynamics, vibration, flutter, friction welding, advanced casting, high-speed machining, new fastening and shaping technology, composites, hybrid materials, functional materials, Micro Mechanical Systems (MEMS), nanotechnology, additive manufacturing.

4 Propulsion technologies

Propulsion systems, combustion technology, turbomachinery, lifting methods, value-driven development, metallic materials, composite materials, manufacturing systems & processes, green propellants, coatings, electric propulsion, hybrid propulsion systems.

5 Aircraft and spacecraft systems analysis

Aerodynamics, guidance systems, signature analysis, signature reduction, flow control, propulsion systems (including integration), materials technology, design- and structural technology, flight mechanics/flight dynamics, aeroelasticity, acoustics.

6 Systems and sub-system engineering

Avionics, autonomy and artificial intelligence (AI), information systems, Human Machine Interface (HMI) and decision support, sensors and management systems (including communication, navigation, integrated production development).

7 Sustainable aerospace technology

Noise, emissions, climate issues, new fuels, green propellants for space, optimised flight planning/flight profiles, surveillance systems, laminar flow, electric aircraft and engines, environmental satellites.

8 Drones and UAS

Vehicles, systems and subsystems, man-unmanned teaming, urban mobility systems, logistics UAV, production technology, First Person View (FPV)-technologies, autonomy and artificial intelligence (AI).

9 Operational availability, maintenance and support

Life cycle assessment, operation and maintenance, operating support systems, customer adapted production support, decision support, integrated testing, automatic failure investigation, remote repair, logistics, condition-based maintenance, machine learning and artificial intelligence (AI).



Preliminary programme

	Tuesday, October 14	Wednesday, October 15
09.00		
10.00		
11.00		
12.00		
13.00		
14.00		
15.00		
16.00		
17.00		
18.00		
19.00		
20.00		
21.00		
22.00		

09.00–12.00
Plenary sessions

09.00–12.00
Parallel, technical sessions

13.00–17.00
Parallel, technical sessions

13.00–16.00
Plenary sessions, summary, conclusions

19.00–
Congress Dinner at Stockholm
Waterfront Congress Centre

Important information

Venue

Stockholm Waterfront Congress Centre, Nils Ericsons Plan 4, Stockholm is located only minutes away from the Central Station.

Technical presentations

Abstracts for presentation should be submitted online via the Congress website ft2025.se not later than March 14, 2025. The abstract text is limited to 400 words. It is not possible to include tables or graphs/ images in the abstract. More detailed instructions for submission can be found on the website.

The Programme Committee reviews all received contributions and information concerning acceptance of papers will be e-mailed to the lead author mid-May 2025.

EXHIBITION – see Partner & Exhibition Prospectus

An exhibition area is found adjacent to the session rooms. Companies and organisations are invited to present their products and services in this area. The Partner & Exhibition Prospectus can be found at ft2025.se.

Programme

A preliminary programme will be distributed in June 2025 and the final programme will be announced in September 2025.

Registration

The registration fee is SEK 6 900 excluding VAT. Early Bird registration is favoured and honoured by a 10% discount. Documentation, meals and the Congress dinner are included in the fee.

Accommodation

The Secretariat has reserved hotel accommodation, in different price categories, close to the venue.

Congress secretariat

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