

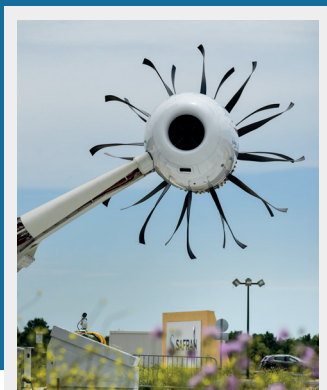


INVITATION & CALL FOR PAPERS

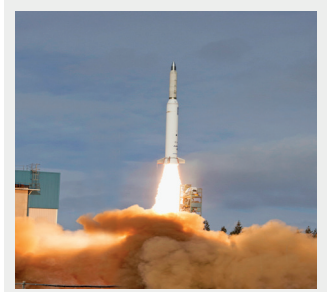
AEROSPACE TECHNOLOGY CONGRESS 2019 SUSTAINABLE AEROSPACE INNOVATION IN A GLOBALISED WORLD

STOCKHOLM WATERFRONT CONGRESS CENTRE, OCT 8-9, 2019

WWW.FT2019.SE



FT2019 is organised by
The Swedish Society for Aeronautics and Astronautics, FTF and
The Swedish Strategic Innovation Programme for Aeronautics, Innovair



INVITATION AND CALL FOR PAPERS

The AEROSPACE TECHNOLOGY CONGRESS 2019 will be held in Stockholm on October 8-9, 2019 arranged by the Swedish Society for Aeronautics and Astronautics (FTF) in cooperation with the Swedish Strategic Innovation Programme for Aeronautics (Innovair).

The triennial Congress is well established as the forum for Swedish aerospace technology. The aim is to promote research as well as technical and industrial development in the aerospace sector and also to generate interest in higher education in this area.

The Congress 2019 is open to persons who are active in aerospace, and focuses on aerospace research and technology, engineering development, applications, and finding business partners.

This Call for Papers is an invitation to submit abstracts for presentations at the Congress, as well as an invitation to participate in the Congress. The Congress will begin and end with plenary presentations by invited speakers.

Companies and research organisations are welcome to exhibit their products and services in the adjacent display area.

Welcome to Stockholm and the AEROSPACE TECHNOLOGY CONGRESS 2019!

Roland Karlsson
Chairman FTF
www.ftfsweden.se

Anders Blom
Program Director Innovair
www.innovair.org

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CONGRESS TOPICS

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

Major cooperative projects: Military aircraft, civil aircraft, unmanned aircraft/RPAS, missiles/weapons, satellites and their launchers, Clean Sky and SESAR projects.

Environmentally friendly technology: Noise, emissions, climate issues, new fuels, optimised flight planning/flight profiles, surveillance systems, new engines, laminar flow, electric aircraft and engines, environmental satellites.

Aircraft and spacecraft system analysis: Conceptual design, system of systems, co-operating systems, pre-projects, customer and functional requirements, system safety, security solutions, concept development, modelling and simulation, air and space transportation systems, operational applications, ATM.

Engines: Propulsion systems, turbomachinery, lifing methods, value-driven development, metallic materials, composite materials, manufacturing systems & processes.

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, MEMS, nanotechnology, condition-based maintenance, additive manufacturing.

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

Sub-system and system technology: Avionics, autonomy, information systems, HMI and decision support, sensors and management systems (including communication, navigation and air traffic management), integrated production development.

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.

PROGRAMME - PRELIMINARY SCHEDULE

Tuesday, October 8

09.00-12.00 Plenary sessions
13.00-17.00 Parallel, technical sessions
19.00 Congress Dinner at Stockholm Water front Congress Centre

Wednesday, October 9

09.00-12.00 Parallel sessions
13.00-16.00 Plenary sessions, summary and conclusions

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 www.ft2019.se not later than March 1, 2019. An abstract should consist of a title, author list and the abstract text. The abstract text is limited to 2800 characters (approx. 400 words). It is not possible to include tables or graphs/images in the abstract. More detailed instructions for submission can be found at the website.



The Programme Committee reviews all received contributions, and information concerning acceptance of papers will be e-mailed to the lead author at the end of April 2019.

EXHIBITION

An exhibition area is found adjacent to the session rooms. Companies and organisations are invited to present their products and services in this area. Partner Prospects can be found at www.ft2019.se.

PROGRAMME

A preliminary programme will be distributed in June 2019 and the final programme will be announced in September, 2019.

REGISTRATION

The registration fee is SEK 6.200 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.

SECRETARIAT

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STAY UPDATED VIA WWW.FT2019.SE