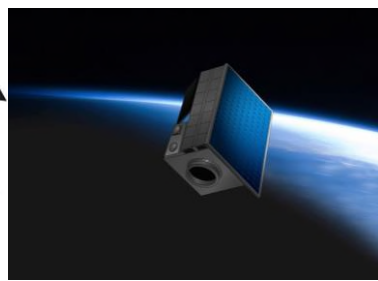


# AEROSPACE TECHNOLOGY 2016

*Swedish aerospace technology in a globalised world*

11-12 October 2016  
Quality Hotel Friends, Solna-Stockholm



## Invitation and Call for papers

[www.ft2016.se](http://www.ft2016.se)



[www.ftfsweden.se](http://www.ftfsweden.se)



[www.innovair.org](http://www.innovair.org)

# **AEROSPACE TECHNOLOGY 2016**

## ***Swedish aerospace technology in a globalised world***

AEROSPACE TECHNOLOGY 2016 will be held in Solna - Stockholm on October 11-12, 2016 by the Swedish Society of Aeronautics and Astronautics (FTF) in cooperation with the Strategic Innovation Programme Aeronautics (Innovair), and the Royal Swedish Academy of Engineering Sciences (IVA).

The triennial Congress has become well established as the forum for the Swedish aerospace technology. The aim is to promote research as well as technical and industrial development in the aerospace sector and also to create stimuli for higher education in these sectors.

The Congress 2016 is open to persons who are active in aerospace and it focuses on engineering development, industrial restructuring, relevant applications, and user benefits.

This Call for Papers is an invitation to participate in the Congress and to submit abstracts to be presented at the Congress. The title of sessions and examples of topics are presented in the preliminary programme, and should be considered as guidelines only. Changes may, however, occur depending on the accepted papers. The technical sessions will run in parallel during the two-day Congress.

The Congress will begin and end with plenary presentations by invited speakers.

Enterprises, companies and research establishments are invited to exhibit their products in the adjacent display area.

***Welcome to Solna - Stockholm and AEROSPACE TECHNOLOGY 2016!***

Roland Karlsson  
Chairman FTF

Anders Blom  
Program Director Innovair

Björn O. Nilsson  
CEO IVA

### **Programme- and Organising Committees**

#### **Programme**

Kaj Lundahl, Chairman  
Roland Karlsson, Chairman FTF  
Björn Jonsson, Secretary  
Knut Övrebö  
Anders Blom  
Petter Krus  
Christina Ahremark  
Odd Romell

Lasse Karlsen  
Per Ingvarson  
Vijay Sharan  
Emil Vinterhav  
Oscar Hag  
Robert Lundberg  
Tomas Melin  
Olle Bååthe

#### **Organising**

Roland Karlsson, Chairman  
Ewa-Karin Franck, project manager  
Anders Blom  
Olle Bååthe

Oscar Hag  
Caroline Knies  
Kaj Lundahl

# Preliminary programme

## Tuesday, October 11

### Plenary sessions 09.00-12.00

*Importance of Aeronautics in Sweden*, TBD, Dep of Trade and Innovation

*Air Force Development*, Mats Helgesson, Air Force Chief of Staff, FMV

*Saab's vision*, Ulf Nilsson, CEO, Saab Aeronautics

*GKN Aerospace R&T centre in Trollhättan*, Henrik Runnemalm, Technical Director, GKN Aerospace

*Swedish aeronautical innovation system*, Charlotte Brogren, General Director, Vinnova

*Swedish space systems in a globalised world*, Gierth Olsson, Managing Director, OHB-Sweden

*Global Space Trends & Driving Forces*, Stefan Gardefjord, President & CEO, Swedish Space Corporation

*Sweden and Space - Investments in Research and Development for the Benefit of Society*, Olle Norberg, General Director, Swedish National Space Board

### Parallel, technical sessions 13.00-17.00

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

*Environmentally friendly technology*: Noise, emissions, climate issues, new fuels, optimized flight planning/flight profiles, surveillance systems, new engines, environment satellites.

*New materials and processes*: Friction welding, casting, high-speed machining, new fastening and shaping technology, composites, hybrid materials, functional materials, MEMS, nanotechnology, state-based supervision, additive manufacturing.

*Aircraft and spacecraft system analysis*: Pre-projects, customer and functional requirements, system safety, security solutions, concept development, modelling & simulation, the air and space transportation systems, operational applications, ATM.

*Sub-system and system technology*: Avionics, autonomy, information systems, man-machine system-integration, sensors and management systems (including communication, navigation and traffic management), integrated production development.

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

*Operational availability, maintenance and support*: Life cycle assessment, maintenance systems, operating support systems, customer adapted production support, decision support, integrated testing, automatic failure investigation, remote repair, logistics.

### Dinner at Quality Hotel Friends at 19.00

## Wednesday, October 12

AM: **Parallel technical sessions** continue.

PM: **Plenary sessions** by RUAG, Folke Brundin, *Global market presence – strategy for innovation and growth*, and by leading representatives from Swedish and International aerospace stakeholders such as Airbus, ATR, Clean Sky II, Embraer, ESA, KTH, Rolls-Royce and SESAR 2020.

### Summary and conclusions at 16.00

## Important information

- Venue:** The venue of the Congress is the 25 floor Quality Hotel Friends, co-located with Friends Arena and Mall of Scandinavia in Solna, 8 minutes by train from Stockholm Central Station.  
<https://www.nordicchoicehotels.se/quality/quality-hotel-friends/>
- Technical presentations:** An abstract of the presentation should be sent on-line via the home page [www.ft2016.se](http://www.ft2016.se) where instructions for submission can be found. Abstracts should be submitted latest on 1<sup>st</sup> of March 2016.  
Depending on topics in the submitted abstracts, changes may occur in subjects and content of the sessions.  
The Programme Committee reviews all received contributions, and authors of accepted papers should submit a full paper latest on the 1<sup>st</sup> of September 2016.
- Exhibition:** An exhibition area is found adjacent to the session rooms. Companies and organisations are invited to present their products. Please contact the Secretariat for further information.
- Invitation with final program:** Invitation with final program and registration form will be distributed in June 2016.
- Registration fee:** Registration fee is SEK 5.900 + VAT, but may be subject to change. Documentation and meals are included.
- Hotels:** The Secretariat has reserved hotel rooms at Quality Hotel Friends in different price categories.
- Secretariat:** Meetagain Konferens  
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