



# PRESS TOUR

## AERONAUTICS

Programme

13 July 2018

## PRESS TOUR PROGRAMME

### Aeronautics in Toulouse ISAE –MANATOUR ISAE-SUPAERO

Friday 13 July, 13h – 17h30

AERONAUTICS PRESS TOUR - Journalists must have been accredited by Alexandra FOISSAC  
[alexandra.foissac@toulouse2018.esof.eu](mailto:alexandra.foissac@toulouse2018.esof.eu) (subject to availability)

#### Program

**12H30 DEPARTURE FROM PIERRE BAUDIS CONGRESS CENTER**

**1PM - 1.45PM RECEPTION & BUFFET LUNCH AT AEROSCOPIA AERONAUTICAL MUSEUM**

EVENEMENT'CIEL FACILITY, AT THE FOOT OF THE AIRCRAFT

- Welcome speech - Laurence Calmels, Manatour CEO (5 mn)
- Presentation of Manatour, a leader in industrial tourism in France and administrator of the aeroscopia museum

**2PM-3.30PM VISITS**

#### **AEROSCOPIA MUSEUM**

aeroscopia, open since January 2015, is a 14.000 sq. meters complex entirely dedicated to aviation, combining a museum and many discovery and animation areas, all dedicated to preserving and widely promoting the history of aviation and its local anchorage in Toulouse.

aeroscopia museum showcases a very rich collection of civil and military aircraft, among which three can be visited. Around the aircraft, many scale models, as well as videos and animations for all ages and a historic fresque, recount the history of aviation, from its origins to today.



During ESOF and the “Science in the city” festival, aeroscopia is hosting many scientific events, such as conferences, on topics ranging from biomimicry to women in science; scientific workshops, about innovation in aviation, alternative fuel for aircraft....; and a special exhibition about Women and science.

### **VISIT OF THE A380 FINAL ASSEMBLY LINE**

The Jean-Luc Lagardère site covers 50 hectares and hosts the final assembly line and the preparation for flight area of the A380, the world’s biggest civil aircraft. Some 1,000 people work on this site, mostly in an impressive hangar measuring 490m long, 250m large and 46m high, where the A380 is assembled during four months, before flying to Hamburg for its cabin furnishing and painting.

**3:30PM DEPARTURE TO ISAE-SUPAERO**

**4PM-5.30PM MEETING WITH AERONAUTICS STAKEHOLDERS AND VISITS OF ISAE-SUPAERO MAIN FACILITIES:**

- Welcome speech - Olivier Lesbre, Dean / Director-General of ISAE-SUPAERO (5mn)  
Presentation of ISAE-SUPAERO’s role as the world leader in higher education for aerospace engineering and its cutting-edge research to answer technological and industrial challenges.
- Aerocoustic wind-tunnel: thanks to this wind-tunnel, researchers can work on noise reduction during the approach phase when the airframe (wings, flaps, landing gear...) makes more noise than the engines. Because of its size and performances, this unique research facility in Europe puts ISAE-SUPAERO among the very first world centres for fundamental research in aeroacoustics. Meeting with Laurent Joly, Head of Aerodynamics, Energetics and Propulsion Department.
- UAVs aviary: this tool, unique in France, is dedicated to teaching and research projects on multidisciplinary design of autonomous systems (robots, drones,...). Research on this topic covers a large study scope going from control, decisional algorithms and embedded software to communication and operation issues of collaborative autonomous systems. The autonomous systems room allows researchers to experimentally validate theoretical methods and practical procedures and opens the way to new military and civil applications involving autonomous systems with high performances in terms of safety and operability. Meetong with Valérie Budinger, Head of Aerospace Vehicles Design and Control Department.
- ACHIL Platform (Aeronautical Computer Human Interaction Lab): thanks to the shared facilities between ENAC and ISAE-SUPAERO, the Department for Design and Operation of Aeronautical and Space Vehicles (DCAS) in ISAE-SUPAERO and the Engineering Interactive Systems

Critical research team in ENAC conduct national and European research projects on neuroergonomy and human factors. Meeting with Frédéric Dehais, teacher-researcher in charge of the human factors and neuroergonomy team.

JOURNALISTS WILL BE DIVIDED IN 3 GROUPS (A, B, C) TO VISIT ISAE-SUPAERO FACILITIES:

4PM-4.30PM:           GROUP A VISIT OF 4PM-4.30PM:  
GROUP A VISIT OF THE AEROACOUSTIC WIND-TUNNEL  
GROUP B VISIT OF THE UAVs AVIARY  
GROUP C VISIT OF THE ACHIL PLATFORM

4.30PM-5PM:  
GROUP A VISIT OF THE UAVs AVIARY  
GROUP B VISIT OF THE ACHIL PLATFORM  
GROUP C VISIT OF THE AEROACOUSTIC WIND-TUNNEL

5PM-5.30PM:  
GROUP A VISIT OF THE ACHIL PLATFORM  
GROUP B VISIT OF THE AEROACOUSTIC WIND-TUNNEL  
GROUP C VISIT OF THE UAVs AVIARY



### **5.30PM           END OF AERONAUTICS PRESS TOUR**

The journalists will be driven back to the Pierre Baudis Congress Center

### **About ISAE-SUPAERO**

A world leader in higher education and research in aerospace engineering, ISAE-SUPAERO is a research and innovation-driven institution of higher education, committed to balancing scientific excellence, academic visibility and proximity to industrial objectives. It offers a complete, unique range of advanced higher education programs including the ingénieur ISAE-SUPAERO program and CNAM-ISAE apprenticeship program, 1 master in aeronautics and space delivered in English, 5 research masters, 15 advanced masters, and 6 Doctoral schools.

ISAE-SUPAERO has developed a research policy resolutely focused on answering the future needs of the aerospace industry and other high technology sectors. Close collaboration with industry is reflected in the Institution's ongoing commitment to developing teaching and research chairs in strategic fields such as neuroergonomics and human factors, advanced space concepts, embedded systems engineering, eco-design for aircraft or innovative propulsive systems. 12 chairs are currently in progress with Thalès Alenia Space, Axa, Airbus, Safran, Dassault Aviation, Arianegroup or MBDA for



instance. Many lecturers from industry also contribute to the school's programs, keeping students attuned to the latest technological innovations and the best industrial practices.

On the international level, ISAE-SUPAERO cooperates with premier European universities (TU Munich, TU Delft, ETSIA Madrid, Politecnico Torino et Milano, KTH Stockholm, Imperial College, Cranfield), North American institutions (Caltech, Stanford, Georgia Tech, UC Berkeley, EP Montreal...), ... and Latin American and Asian universities as well.

The ISAE-SUPAERO learning community includes 95 professors and researchers, 1800 lecturers from industry, and nearly 1700 undergraduate students. Every year, over 30% of the Institute's graduates are international students, and the alumni network includes over 21500 former graduates.

### **About Manatour**

Manatour was founded in 1990, by Philippe Nau, a communication specialist, and Jean-Pierre Mas, founder of the AFAT Voyages travel agency. Originally named Taxiway, the company managed the tours of the Airbus plants in Toulouse, both for professionals and for the general public. Twenty five years later, Taxiway has become Manatour group, and is France's number one for industrial tourism, offering visits of great industrial sites in the Occitanie region, for professionals and for the general public. The catalogue of visits ranges from aviation to media, commerce, energy and water processing.

Since January 2015, Manatour is also the administrator of aeroscopia, the new aviation complex located close to the Airbus assembly lines in Blagnac.

Manatour is also a recognised player in the « Hospitality and Event » field, specialising in trips and seminar organisation, and has great expertise in the « Research and Consultancy » field.

## PRESS CONTACTS

### ISAE Press Contact

Agence OXYGEN  
Charline Kohler  
charlinek@oxygen-rp.com  
Tel: +33 5 32 11 07 32

ISAE-SUPAERO  
Service communication  
Virginie Kierzkowska  
communication@isae-supero.fr  
Tel: +33 5 61 33 80 30

### Manatour Press Contact

Vicenta MOLINERO  
vicenta.molinero@manatour.fr  
06.25.33.95.05

Caroline Brown  
caroline.brown.fp@gmail.com  
06.22.08.86.23

### ESOF 2018 Press Contact



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#### ESOF 2018 Press Contact

Alexandra Foissac, PhD  
Communication & Press Relations ESO<sup>F</sup> Toulouse 2018

alexandra.foissac@toulouse2018.esof.eu  
+33 (0)5 61 009119

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## ORGANISERS AND PARTNERS

