



**Interactions
Humains-systèmes**
quelle place pour l'humain dans les systèmes aéronautiques ?



ENAC and ISAE-SUPAERO launch the first

**“Rendez-vous Aéro de l’Innovation” (Aero Innovation Symposium)
about Human-Systems Interactions**

Wednesday 8 November 2017 at the ENAC in Toulouse

ENAC and ISAE-SUPAERO organise a day dedicated to one of their leading research and aeronautical innovation themes (programme below).

What place for humans in aeronautical systems?

This is the question ENAC and ISAE-SUPAERO have chosen to address for the inauguration of a new annual research and aeronautical innovation symposium. Both universities have developed dedicated expertise and numerous common research projects in Human-Machine Interface (HMI).

HMI is a generic term designed to represent the means used by man to communicate with machines and systems. HMI play an increasingly important role in our societies, in our daily lives (mobile phones, cars) or in the management of complex systems, such as air transport. In aviation, an adequate interaction between operators (pilots, air traffic controllers, airports, airlines) and systems is essential in order to ensure performance and safety.

Aviation, automotive industry, video games and music meet to look into new interactions

Throughout the day, various presentations from key players in the field of aeronautical HMI will be available (Airbus, Dassault Aviation, Rockwell Collins and the DSNA – Directorate of Air Navigation Services). The event will also introduce professionals from other sectors where HMI play a major role and their evolution generates new products or new practices.

Entities from the automotive industry (PSA Group), the videogame industry (Ubisoft) or from arts and music research labs (IRCAM) will come to explain their approach to these new interactions in a round table moderated by Michel Polacco, the famous journalist and aeronautical specialist.

Researchers from ENAC and ISAE-SUPAERO will also present their latest work through demonstrations (new cockpit-air traffic control interactions, cognitive science applied to air transport, innovative tactile and visual interfaces, HMI and drones, etc.).

Programme

9h00 – Opening Conference

Simon Thorpe, Research Director at CNRS, Centre for Brain & Cognition Research.

10h30 – Research project demonstrations

11h00 – Conference: “HMI: From conception to certification. Preparing for tomorrow’s technological evolutions”

Stéphane Durand, Technical Manager of Avionic Systems - Dassault Aviation.

12h00 – Lunch and demonstrations

13h30 – Conference: “Physiological monitoring of man: what perspectives for air safety?”

Florence Reuzeau, Expert in cockpit ergonomics and human factors – Airbus Group.

14h30 – Conference: “The future of HMI in the aeronautical field: are we really improving performance?”

Elias Bitar, Avionics Engineering Manager - Rockwell Collins

15h30 – Coffee break – demonstrations

16h00 – Round table. “What evolutions for IMMS and their uses?”

- Saran Diakité Kaba, Vice-Chairman, User Experience Director, Cockpit IMM and R&D – PSA Group
- Guillaume Brunier, Senior Producer, producer of the game “Beyond Good & Evil 2” – Ubisoft
- Thierry Ferreira, Innovation and Human Factors department Manager - THALES
- Stéphane Chatty, Director of innovation - DSNA (Directorate of Air Navigation Services)
- Frédéric Bevilacqua, Director of Research, In charge of the Interaction, Sound, Music and Movement research team - IRCAM (Institute for Research and Coordination in Acoustics/Music)

17h30 – Cocktail

Full programme and registration

<http://www.enac.fr/fr/journee-ihm-fh>

Informations : communication@enac.fr

Press contact

Agence MCM Elodie Auprêtre

e.aupretre@agence-mcm.com

Tel : +33 (0)7 62 19 83 09

About the symposium

This edition of the “Rendez-vous Aéro de l’Innovation” (Aero Innovation Symposium) is organized on ENAC’s campus in Toulouse. This event is the result of a collaboration between ENAC and ISAE-SUPAERO research teams. It is a new yearly event that will address themes on which the schools have complementary and shared expertise, and shape the future of the aviation industry.

The “Rendez-vous Aéro de l’Innovation” is open-access and will enable exchanges between industry representatives, academics and students.

About ENAC

Founded in 1949, ENAC is internationally recognized as the leading Aeronautical and Aviation University in Europe, providing a broad range training, studies and research activities, with a complete range of 30 higher education programs from Bachelor up to Ph.D. degrees. ENAC has been approved as ICAO Regional Training Centre of Excellence.

ENAC 22 000 Alumni work in aeronautical companies, in fields such as manufacturing, airports, airlines, civil aviation authorities as well as air navigation providers across the globe.

More information : www.enac.fr

About ISAE-SUPAERO

A world leader in higher education and research in aerospace engineering, ISAE-SUPAERO offers a complete, unique range of advanced higher education programs including the ingénieur ISAE-SUPAERO program and CNAM -ISAE apprenticeship program, 1 master «Aerospace Engineering» 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, as well as in the many lecturers from industry who 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.

The ISAE-SUPAERO learning community includes 100 professors and researchers, 1800 lecturers from industry, and nearly 1700 undergraduate and post-graduate students, Every year, over 30% of the Institute’s graduates are international students, and the alumni network includes over 21500 former graduates.