

Subject : Invent an organization perennial for the living beings.

WORKING EXPERIENCE AND RESEARCH

- 2021 – ... **Airbus R&D: Multi program generic Flight Control Laws design**, Toulouse, France.
- 2018 – 2021 **LAAS-CNRS: Non linear systems control laws design research**, Toulouse, France.
- PhD project ended in September 2021.
 - Optimal and robust quaternion based generic attitude control law design.
- 2015 – 2018 **Airbus R&D: Multi program generic Flight Control System (FCS) design**, Toulouse, France.
- Overall generic FCS system architecture definition (safety analysis, specification).
 - Generic and optimized development processes definition (MBSE).
- 2010 – 2015 **Airbus A350 FCS: Validation & Verification (V&V) Work Package leader**, Toulouse, France.
- FCS software V&V on fully simulated test mean: team from 10 to 15 engineers.
 - A350 First Flight and Certification milestones passed (DO-178c, audit EASA).
- 2008 – 2009 **Airbus A350 FCS: V&V engineer**, Toulouse, France.
- A350 FCS software V&V on fully simulated test mean.
- 2006 – 2007 **Thales Avionics: Field Support Engineer**, Madrid Airport, Spain.
- On-site system support for Air Europa Airbus A330-200 onboard systems.

TEACHING

- 2018 – 2022 **Paul Sabatier University: Teaching Assistant**, Toulouse, France.
- System control classes for 2nd to 4th year students.
- 2006 – 2007 **Thales Avionics: Onboard systems maintenance and crew trainer**, Madrid airport, Spain.
- Maintenance and crew training in Spanish and English for A330-200 onboard systems for Air Europa airline company.
- 2004-2005 **University at Buffalo: Teaching Assistant**, Buffalo, NY, USA.
- Mechanical structure and dynamic system analysis classes for 4th year students.

EDUCATION

- 2021 **System control PhD, University of Toulouse, UPS, LAAS-CNRS, Toulouse, France.**
Optimal and robust control of non linear systems, quaternion based attitude control.
- 2005 **Master of Science in Aerospace engineering, University at Buffalo, NY, USA.**
System control specialisation (modelling, identification, control of dynamical systems).
- 2005 **Aerospace engineer ISAE-Supaéro, Toulouse, France.**
- 2002 **Engineering preparatory school (MPSI/MP*), Lycée Camille Guérin, Poitiers, France.**
- 2000 **Baccalauréat S Maths, Lycée Jean Macé, Niort, France.**

LANGUAGES

French (Native language), English (Fluent), Spanish (Fluent).

COMPUTER SKILLS

C, Java // Scade, Matlab, Simulink, LabView // CATIA // MS Office, LaTeX.

OTHER ACTIVITIES

Model aircraft maker, Karate (4th Dan), Paragliding, Guitar player, Dance.