

Ground Based Training System Engineer Trainee Physics and Simulations

Fly with us into the future and become part of the team at one of the most innovative aircraft manufacturers in the world.

INTERNSHIPS & TRAINEESHIPS

Your place of work: Stans, Switzerland

What you do:

- Establish methods and tools for system identification and parametric approximation to improve the physical models used in the Ground Based Training Systems (GBTS) flight simulation
- Retrieve and process flight tests and engineering data for building and validating aircraft flight models
- Establish methods and tools for optimization of control algorithms used for automatic testing of the flight model
- Implement flight model enhancements in the GBTS simulation software and test them against aircraft data
- Write guidelines on the developed methods and manuals on the implemented tools, including operational procedures for practical application
- Support the daily business of the Training Systems department from R&D to customer projects

What you bring:

- Master degree in aeronautical or aerospace engineering with a focus on flight physics (particularly aerodynamics, flight dynamics and aircraft performance), avionics and complex systems
- Experience with MATLAB Simulink is required, knowledge of C++ and Python is an advantage
- Experience with automatic control, flight dynamics modelling or system identification
- Excellent social and communication skills with a fluency in English (spoken and written)
- Ability to plan short-, mid- and long-term tasking and setting up a workplan
- Adapt to changes in a fluid environment, reworking already established plans

What we offer

- A committed, international team and unique projects
- Flexible working hours and individual pension solutions
- Support for training and opportunities for personal and professional development
- Discounted meals in our staff restaurant and various discounts for employees
- Team events at which we celebrate our successes together

Become part of the Pilatus family

- We want to address everyone with our job ad's and are committed to diversity in our company - we are looking forward to receiving your online application
- For impressions: Check Instagram «pilatusaircraft»

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