

Offer #2024-07699

PhD Position F/M hybrid aircraft energy management planning

Contract type : Fixed-term contract

Level of qualifications required : Graduate degree or equivalent

Fonction : PhD Position

Assignment

INRIA Nancy and Airbus AI Research in Toulouse are seeking one PhD student to work on the automated control of hybrid aircraft energy management. The thesis aims to generate short-term and long-term control policies, with dynamics, states and actions that are both continuous and discrete, by hybridizing model-based and data-driven approaches.

The description of the PhD, as well as the procedure to apply, can be found on the following webpage (English version at the bottom of the page): https://ag.wd3.myworkdayjobs.com/en-US/Airbus/job/XMLNAME--CIFRE--Thse-optimisation-de-la-gestion-d-nergie-d-un-avion-hybride_JR10260561

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

Remuneration

2100€ gross/month the 1st year

General Information

- **Theme/Domain :** Robotics and Smart environments
- **Town/city :** Villers lès Nancy & Toulouse
- **Inria Center :** [Centre Inria de l'Université de Lorraine](#)
- **Starting date :** 2024-10-01
- **Duration of contract :** 3 years
- **Deadline to apply :** 2024-06-16

Contacts

- **Inria Team :** [LARSEN](#)
- **PhD Supervisor :**
Buffet Olivier / olivier.buffet@inria.fr

About Inria

Inria is the French national research institute dedicated to digital science and technology. It employs 2,600 people. Its 200 agile project teams, generally run jointly with academic partners, include more than 3,500 scientists and engineers working to meet the challenges of digital technology, often at the interface with other disciplines. The Institute also employs numerous talents in over forty different professions. 900 research support staff contribute to the preparation and development of scientific and entrepreneurial projects that have a worldwide impact.

Warning : you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.

Instruction to apply

Defence Security :

This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST). Authorisation to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as defined in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

Recruitment Policy :

As part of its diversity policy, all Inria positions are accessible to people with disabilities.