

Tenure-track position leading to CNRS Research Director « Autonomous Vehicles and transportation »

Université de technologie de Compiègne, France
Heudiasyc Lab UMR UTC-CNRS 7253

Tenure as a CNRS Research Director will be awarded at the end of a 3 to 6-year contract, within the Heudiasyc laboratory hosted by Université de technologie de Compiègne. The position offers resources from the French National Research Agency and access to a state-of-the-art experimental platform with autonomous vehicles to advance robotics, AI and automation of autonomous systems.

Keywords: artificial intelligence, autonomous robots, intelligent vehicles, computer vision, multi-sensor fusion

Research activity description

This position aims to enhance the research activities of the CNRS and the Heudiasyc laboratory in the fields of robotics, automation, and AI for autonomous systems interacting with humans. Potential research directions include the development of novel control approaches for autonomous vehicles, learning driving situations for adapting to driver preferences and constraints, enhancing human driving capabilities in complex environments to improve safety and facilitate driving. Addressing issues such as the perception and understanding of situations in open and dynamic environments, managing uncertainties, and ensuring the integrity of navigation information, are also major challenges that are relevant for this position.

The successful candidate is expected to lead research projects at both national and international levels and to mentor and supervise young researchers.

Teaching activity

The appointee will have the opportunity to teach in a new international ERASMUS MUNDUS master's program led by UTC.

Candidate's profile

Prospective candidates must hold a Ph.D. in a relevant field with a strong research profile and substantial experience in the research area. This experience should result in a significant scientific track record in academia or industry.

Deadline for application

April 2024

Contract duration

A permanent CNRS research director position can be awarded within 6 years.

Research resources

The appointee will be funded by the French National Agency of Research (ANR) for financing initial thesis or postdoc projects. Besides scientific support, the laboratory will also provide technical support and access to its experimental platform, including three full-size autonomous vehicles and a dedicated test track. The candidate will also have the opportunity to engage with the laboratory's industrial and academic partners at both the national and European levels.

Application and contacts

Interested candidates should send a Curriculum Vitae and a list of publications accompanied along with a short cover letter to veronique.Cherfaoui@utc.fr.

