PhD Studentship

Aerodynamics and Aeroacoustics of Novel Propellers

Qualification Type: PhD
Location: Bristol
Funding for: UK Students, EU Students
Funding amount: Minimum £16,500 p.a. for 3.5 yrs plus an industrial top-up subject to contracts and eligibility status
Hours: Full Time

The project:

There are several openings for PhD students to work on aerodynamic and aeroacoustic performance of novel propellers. As part of this project, you will carry out aerodynamic and aeroacoustic measurements using novel technique to better understand the performance of modern propellers in the context of “Future Flight” configurations. As part of this project, you will join a team of experts, across the EU, to design, build and test various configurations. Joining the aeroacoustics team at the University of Bristol you will be able to use our state-of-the-art large aeroacoustic wind tunnel facility and work with world-leading academics and industries in the field. The results of this research are expected to be published in field’s top journals. You will also have the opportunity to attend several international conferences during your PhD.

You will become a part of a large group of highly motivated researchers, with a research focus of aerodynamics and aeroacoustics and development of new measurement tools. University of Bristol is home to the UK’s National Aeroacoustic Facility and by joining the team you will have access to our experimental facilities, workshops and technical specialists. The aeroacoustics team at the University of Bristol is involved in over ten large projects and as a new PhD student, you will have the opportunity to interact with other team members and learn more about other projects.
Person specification:

We are looking for a committed and highly motivated PhD student holding (or close to completing) a minimum of a master's degree (or international equivalent) in Science, Mathematics, Engineering discipline.

A strong understanding of aerodynamics, analytical and practical skills combined with excellent communication skills is required.

If English is not your first language, please provide a recognised English language qualification at Profile E. Further information: http://www.bristol.ac.uk/study/language-requirements/profile-e

Funding:

- Full UK/EU PhD tuition fees plus an industrial top-up (subject to contracts).

How to apply:

Interested candidates are strongly encouraged to contact the supervisor, Prof. Azarpeyvand informally to discuss their research interests before making an application.

To apply, please submit a PhD application using our online application system (www.bristol.ac.uk/pg-howtoapply). Select PhD Mechanical Engineering on the Programme Choice page. Enter details of the studentship in the Funding and Research Details sections of the form with the name of the supervisor.

For informal enquiries, please email Prof Mahdi Azarpeyvand, m.azarpeyvand@bristol.ac.uk