

Title: Aerodynamics and Aeroacoustics of Novel Propellers

Type of award PhD Research Studentship

Department Mechanical Engineering

Scholarship A minimum £16,500 p.a.
Please check below for further scholarship details

Funding Duration 3.5 years

Eligibility Home/EU applicants only

Start date 1 June 2020

PhD Topic Background/Description

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.

Further Particulars

Candidate Requirements

We are looking for an enthusiastic student who must hold/achieve a minimum of a master’s degree (or international equivalent) in a science, mathematics or engineering discipline.

The candidate will have a strong understanding of aerodynamics, analytical and practical skills combined with excellent communication skills.

Scholarship Details

Scholarship covers full UK/EU PhD tuition fees and a tax-free enhanced stipend of £16,500 p.a for 3.5 years

Informal enquiries

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

For general enquiries, please email came-pgr-admissions@bristol.ac.uk

Application Details

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

To apply for this studentship, submit a PhD application using our [online application system](https://www.bristol.ac.uk/study/postgraduate/apply) [www.bristol.ac.uk/study/postgraduate/apply]

Please ensure that in the Funding section you tick “I would like to be considered for a funding award from the Mechanical Engineering Department” and specify the title of the scholarship in the “other” box below with the name of the supervisor Prof Mahdi Azarpeyvand.

Interested candidates should apply as soon as possible.