Title: Human Factors aspects of Human Interactions with Hybrid-automated Systems

Type of award: MSc by Research Studentship

Department: Aerospace Engineering

Scholarship: Minimum £15,609 p.a.

Duration: 1 year

Eligibility: Home/EU (UK settled status) with permanent UK residency

Start Date: 27 September 2021

Topic Background/Description

Hybrid autonomous systems are currently being developed worldwide in a myriad of application areas. One of the many issues relates to how much autonomy to give to the automation. The Thales-Bristol Partnership, comprising a cross-industry/university group of Engineers, Computer Scientists, Mathematicians and Psychologists, is currently working on this problem.

An opportunity has arisen within the project for a Master’s by Research student. Thus, the University of Bristol is inviting applications for a fully funded Master’s studentship in the Human Factors aspects of human interactions with hybrid automated systems. Specific areas of interest relate to empowerment and agency, and anthropomorphism, and how best to design an interface to integrate these features.

We are seeking a candidate who is keen to work as part of our research team but is able to work independently and set up and run experiments with human participants. Ideally, candidates will have a background in Psychology, Computing or Engineering as well as a keen interest in Human Factors.

URL for further information: http://www.bristol.ac.uk/engineering/research/t-bphase/

Further Particulars

Candidate Requirements

Applicants must hold/achieve a minimum of an upper-second class honours degree (or international equivalent) in either a STEM-related discipline (e.g. Mathematics, Computer Science, Systems Engineering) or science-related (e.g. Psychology).

If English is not your first language, you need to meet this profile level:

Profile E

Further information about English language requirements and profile levels.
Basic skills and knowledge required.

- Background in Psychology, Computing or Engineering as well as a keen interest in Human Factors
- Ability to work independently
- Able to set up and run experiments with human participants

Scholarship Details
Funding for the successful applicant will include:

- Tax-free stipend at the current UKRI rate (£15,609 for the academic year 2021/22)
- Tuition Fees at home/UK rate: (£4,475 Home postgraduate research fees cost for 2021/22)
- Part time equivalent funding will be possible.

For eligibility and residence requirements please check the EPSRC.UKRI website.

Informal enquiries
For further information, please contact Professor Jan Noyes, j.noyes@bristol.ac.uk or Dr Debora Zanatto, debora.zanatto@bristol.ac.uk

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

Application Details
To apply for this studentship, submit an application using our online application system [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 Aerospace Engineering Department” and specify the title of the scholarship in the “other” box below with the name of the supervisor.

Closing date for applications: 20 September 21