Fully Funded Doctoral Studentship in Human-AI Interaction

Student fee status: Home

Supervisor: Prof Misha Sra

Start Date: October 2027

The Department of Computer Science at the University of Oxford is offering **one** fully funded DPhil studentship for home students in the Human Centred Computing (HCC) theme under the supervision of Prof Misha Sra, to commence next academic year (October 2027).

The successful applicant will join the Human-AI Experience (HAX) Lab. The successful candidate will have the opportunity to collaborate with other members of the HCC theme and of the department, alongside international academic and industrial collaborators.

At the HAX Lab, we study how AI can collaborate with humans in the physical world, from virtual agents in mixed reality to robots in everyday environments. While most AI today supports knowledge work on a computer, much of our life involves learning, moving and acting in physical space. We envision AI partners that share this spatial context, what we see, what we attend to and how we move, to help us learn new skills, recover lost ones or just get things done. Our work currently explores sports training, physical rehabilitation, and creative practices such as choreography, along with everyday tasks in the home or work environment. Across these settings, we distinguish between AI that helps people build lasting abilities and AI that helps them accomplish an immediate task. We investigate these questions through the design of interactive systems, empirical studies, tools, datasets, benchmarks and models. At the heart of our research is how humans and AI adapt to one another as they act together in shared space. We call this co-evolving human-AI loop **Spatial Human–AI Interaction.**

The studentship will provide an annual stipend (at the UKRI rate) at least £21,805 per annum for 3.5 years (42 months). The studentship will also cover the costs of course tuition fees **at home level.** Research students in the Department of Computer Science are also provided with a fund for travel to conferences and workshops (subject to approval).

Applicants must satisfy the usual requirements for studying for a doctorate at Oxford, and apply online by **Wednesday 2 December 2026** via the DPhil in Computer Science, quoting studentship reference **27-CS-MS**. Candidates are expected to have a strong computational and/or mathematical background, with undergraduate studies in Computer Science, Engineering, Physics, Mathematics or related disciplines. Candidates must also have good writing, communication and presentation skills (see the University's web pages on the DPhil in Computer Science for details).

For further information or for informal discussions about suitability, please contact Misha Sra (misha.sra@cs.ox.ac.uk). For further information about the studentship or the application process, please e-mail Computer Science Graduate Admissions.