



Job title	Research Associate/Fellow	Job family and level	Research and Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed)
School/ Department	Computer Science	Location	Jubilee Campus

Purpose of role

We seek three talented researchers with skills and experience in artificial intelligence, soft robotics, and human-computer interaction.

We seek to appoint three research Associate/Fellows, one in each of the following areas: (though are interested in candidates whose expertise spans multiple areas):

1. RF 1: Creative AI, for example models that enable interactive touch and live improvisation.
2. RF 2: Soft robotics and interactive materials to augment robot and human bodies.
3. RF 3: Artist-led methods in HCI and embodied HCI, for example soma design.

See our recruitment microsite [Somabotics at Nottingham](#) for information on the Fellowship, School and University.

The role holders will work with Professor Benford and renowned artists to create AI performances and installations; study and capture data from these; establish new AI concepts, methods and tools; prepare and deliver publications; participate in the community programme of events; and undertake visits and placements at industry and university partners.

The post holder will be expected to undertake independent research as well as working as part of a team; this will include using approaches or methodologies and techniques appropriate to the type of research and being responsible for writing up their work in order to contribute to published outcomes. In addition to the ability to independently prepare and develop high-quality research outputs in the form of journal papers, the post holder will need to translate research findings in ways that allow non-academic stakeholders to benefit, especially the public.

The role holder will have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

The post will be in the School of Computer Science at The University of Nottingham.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
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1	To work with colleagues and artistic and other partners on design, implementation, data collection, analysis, dissemination, and other contractual requirements of the Fellowship.	45%
2	The undertake visits and placements with industry and university partners and participate in AI community events.	10%
3	To contribute to writing up research findings for publication.	25%
4	To assist with the preparation of applications for both external and/or internal bodies for funding, contractual or accreditation purposes.	5%
5	To contribute to public and community awareness to bring our research to a wide audience.	5%
6	To assist in supervision of postgraduate and undergraduate students.	5%
7	To plan and manage their own research/development activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.	5%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Ability to build relationships and collaborate with others, internally and externally. ▪ Independence, creativity, high ability to work self-motivated. ▪ Ability to translate research findings into outputs. ▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information. ▪ Analytical ability to facilitate conceptual thinking, innovation, and creativity. 	<ul style="list-style-type: none"> ▪ Ability to foster a research culture and commitment to learn in others. ▪ High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Knowledge of soft robotics, creative AI, wearables, artist-led design or soma design (depending on specific role). ▪ Experience of planning and undertaking AI and soft robotics development and/or data collection and/or ability to apply appropriate artist-led and body-focused design and study methods (depending on role). ▪ Ability or strong potential to publish research findings in top venues. 	<ul style="list-style-type: none"> ▪ Experience of public engagement with research ▪ Experience in artistic and creative projects and methods ▪ Experience of multi-disciplinary research, especially across computer science and the arts and humanities ▪ Experience of working within diverse teams. ▪ Sustained publication track record
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD degree (or near completion) in a subject area of relevance. 	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others



