

UNIVERSITY OF BIRMINGHAM
School of Computer Science
College of Engineering and Physical Sciences

One postdoctoral Research Fellowship in Computer Vision and Robotics

Fixed term appointment for up to 36 months (with a possible extension for additional 24 months): will start as soon as a high quality candidate can be found (possibly by 01/01/2016), and will terminate December 31st, 2018

Applications are invited for one postdoctoral research fellow position in Computer Vision and Robotics. The work is being funded as part of the US-UK MURI (Multidisciplinary University Research Initiative) project, which is led by UCLA and involves partners from CMU, MIT, Stanford, UIUC and Yale (from the US) and universities of Oxford, Birmingham, Glasgow and Reading (from the UK).
<http://vcla.stat.ucla.edu/muri2015/>

The aim of the project entitled “Understanding scenes and events through joint parsing, cognitive reasoning and lifelong learning” is to achieve “deep understanding of scenes and events through joint parsing and cognitive reasoning about appearance, geometry, functions, physics, causality, intents and belief of agents (e.g., robots), and use joint and long-ranged reasoning to fill the performance gap with human vision”. The work will involve representing visual knowledge in probabilistic compositional models across the spatial, temporal, and causal hierarchies augmented with rich relations, which are task-oriented, support efficient task-dependent inference and contribute towards improved robot autonomy.

Applicant should have:

- PhD (or be close to achieving a PhD) in computer vision, machine learning or robotics.
- A publication record in high quality journals and conferences in the aforementioned research areas
- Strong programming skills (including C, C++, Matlab, etc.)
- Proficiency in English, both spoken and written
- Ideally some postdoctoral experience and/or experience in supervision of PhD/EngD/MSc students.

University of Birmingham has one of the leading UK robotics research groups, with a diverse portfolio spanning a variety of different areas of robotics and computer vision.

Informal enquiries may be made to Prof. Ales Leonardis, a.leonardis@cs.bham.ac.uk

Please send applications to the email address above, including:

- A complete CV, including a list of publications,
- the topic of your PhD thesis,
- the names and email addresses of two references.