

A short-term Postdoctoral Fellow position available in 3D Computer Vision at ANU (Australian National University)

(Express of interest)

We are seeking to appoint a Postdoctoral Fellow in the area of 3D computer vision and/or mobile robot visual SLAM, to fill a short-term vacancy at the Computer Vision and Robotics Research Group, College of Engineering and Computer Science of the ANU.

The position will be funded in part by an ongoing Australia Research Council (ARC) research grant project, focusing on 3D vision (dynamic scene 3D reconstruction, 3D moving objects modelling, and structure from motion/visual SLAM).

The position is currently available in a fixed term capacity for an initial period of 11.5 months (funded by the above ARC grant). Further extension might be considered depending on funding source. The successful candidate will also have the opportunity to apply national early career fellowship in early 2016.

Starting annual salary is \$88,875 - \$95,407 plus an additional 17% superannuation benefit (i.e. total salary package is 117% of the above figure). Expected starting date for this position is in middle of 2015 or as soon as possible.

The successful applicant will contribute to an on-going Australia Research Council's Discovery Grant to research and develop advanced computer vision methods and a software system for dynamic scene visual 3D reconstruction for the purpose of 3D mapping or robot navigation or visual SLAM. You will be a member of a high performance university that offers great employment benefits and brings foresight to the education and research. You will be a staff member of the ANU CVR (Computer Vision and Robotics) Research Group. The ANU CVR group is a leading research groups in computer vision and robotics. ANU is one of the finest research universities in Australia, located in the beautiful bush capital city of Canberra.

Selection Criteria:

1. The candidate is expected to have a recent PhD degree (or close to thesis submission stage) in Engineering or Computer Science, or Mathematics or Physics science with expertise in 3D computer vision (Structure from motion, and/or visual SLAM speciality).

2. The candidate is expected to have strong research records, as evidenced by either (1) having been involved in high-quality research projects, or (2) have excellent publication records in major vision or robotics conferences.
3. The candidate must have strong experiences and skills in C/C++/Matlab programming in computer vision or image processing, and is familiar with open-source computer vision software packages such as OpenCV, Bundler/Ceres, or other 3D vision packages.
4. An ability and commitment to write proposals for competitive external funding to support individual and collaborative research activities and ability to assist in the teaching/supervision/graduation of high quality PhD/Masters research students.
5. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
6. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

How to apply ?

Interested applicants please email an EOI (Express of Interest) with (1) CV (including your publication list and two referees' names), and (2) a Research Statement (which should include your answers to the above six questions in the selection criteria), to Hongdong Li ([Hongdong.Li at anu.edu.au](mailto:Hongdong.Li@anu.edu.au)) with email subject-line "ANU post-doc".

More details can be found on Hongdong's homepage at ANU under "News and Activities". The call for EOI is open until the position is filled. From the 1st of May we will start to review applications, and if necessary will contact your referees or have a skype interview (if applicable), and notify the result from early June or whenever it is ready.