INFORMATION FOR CANDIDATES

2 Research Associate Positions in Marine Robotics –

Heriot-Watt University　　　　　　　　　　　**Salary scale:** Grade 7/8, £30,434 to £40,394
School of Engineering and Physical Sciences　　**Duration:** 18 months
Institute for Sensors Signals and Systems (ISSS)　**Location:** Edinburgh, Scotland

Edinburgh University has established itself as one of the largest and most visible robotics research centres in the UK, building on a strong tradition in robotics in each university. Since its creation, we have secured £45M of investment in infrastructure, a Centre for Doctoral training (EPSRC), enabling us to recruit over 15 PhD students per year and very recently the £30M ORCA Robotics Hub (EPSRC) in Robotics and AI for Offshore Asset integrity management. There has therefore never been a better time to join us and be part of a truly unique endeavour in the UK and probably in the world. Details on the activities of the centre can be found at http://www.edinburgh-robotics.org/

The multidisciplinary research team currently being assembled between Heriot Watt (Lead) and its partner universities (University of Edinburgh, Imperial College London, University of Liverpool, University of Oxford) will key scientific challenges including Mapping and Navigation, Planning and Execution , HRI and Certification of Robots and Assets.

The positions advertised here (Research Associates in Marine Robotics) target cutting-edge research in the following areas:

1 - Subsea 3D localisation, mapping subsea fusing acoustics (sonar), video and laser data and using the latest developments in Deep Learning to provide robust solutions in complex visibility conditions. Challenge (a). Collaboration with Oxford University.
2- Mapping and fusion approaches to extend the work of 1 to multi-robot scenarios and include sensor fusion across environments. Challenge (a). Collaboration with Oxford University and Imperial College London.

The researchers will be supported by an experienced professional team for project management, outreach, commercialization and industry liaison. You will also receive complementary training in a range of areas (robot ethics, outreach, commercialization, etc…) and will be offered numerous professional development opportunities will be offered to maximize your career development.

Candidates will have a PhD in engineering, computer science or a related area. You will be working as part of a large team of researchers and we expect excellent communication and teamwork ability from any candidates to these positions.

Applications are currently opened here: https://www.hw.ac.uk/about/work/jobs/job_SVJDMTIxO-TA.htm

It is strongly recommended to contact Professor Yvan Petillot by email at Y.Petillot@hw.ac.uk for a first expression of interest, as well as any informal inquiry, prior to a formal application.