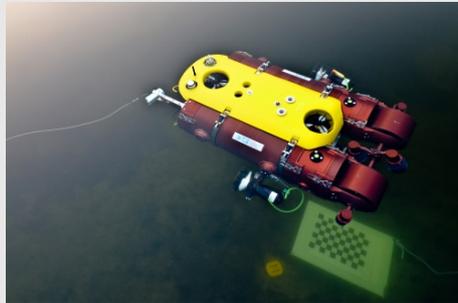# Robocademy

European Academy for Marine and Underwater Robotics

The training of Early Stage Researchers is the focus of the Robocademy.

Robust, reliable and autonomous underwater systems like the DFKI robot Dagon should be developed by the Early Stage Researchers as part of the Robocademy.

The Robocademy consortium combines the leading European institutes in underwater robotics.

A Training Network for researchers in marine and underwater robotics

The Robocademy Initial Training Network (ITN) will establish an European training and research network to develop key skills and enabling technologies in underwater robotics for the scientific and economic exploration of the oceans (e.g. offshore oilfield of the future).

Through the close collaboration of leading research institutes, academia, industry, and small-medium enterprises (SME) in robotics, marine technology, marine science, and offshore industry, Robocademy will provide first class training and research opportunities for Early Stage Researchers (ESR). In well-defined and well-tutored PhD research projects, the Robocademy fellows will push the state-of-the-art in the area of robust, reliable and autonomous underwater robots.

Theoretical and practical training modules

Specialized scientific training modules will enable the fellows to obtain both a sound basis in robotics and an introduction to topics that are specific to their research areas. This will be complemented by a high quality soft-skills training programme and the opportunity to gain extensive on-site hands-on experience through secondments to maritime industry and oceanographic research institutes. Thus Robocademy will foster the formation of young professionals that are able to meet the urgent demand for highly qualified researchers and engineers in the growing field of underwater systems and robotics. For the European industry and scientific community, such specialists are crucial gain ground against competitors from North America and Asia. For the ESRs, the Robocademy training will open up excellent career opportunities in both academia and industry.

Duration: 01/2014 – 12/2017

Partners:

Heriot-Watt University, Tallinna Tehnikaulikool, Universitat de Girona, Natural Environment Research Council, NATO Science and Technology Organisation, National Technical University of Athens, Atlas Elektronik GmbH, Seebyte Ltd, Graal Tech SRL

Associated Project Partners:

Alfred-Wegener-Institut für Polarforschung, Univesitat Politecnica de Catalunya, Subsea7 Ltd., Marine Systems Institute, BP Exploration Operating Co Ltd., BAE Systems Ltd

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