

Underwater Systems and Technology Lab, University of Porto
- work overview and discussion of issues in embedded control software

Eduardo Marques, University of Porto

The talk will comprise two parts. Firstly, an overview will be provided on underwater systems and technology being developed at USTL (Underwater Systems and Technology Group), University of Porto, Portugal (<http://whale.fe.up.pt>).

A description of autonomous marine vehicles developed at USTL - AUVs (autonomous underwater vehicles), ROVs (remotely operated vehicles), UAVs (unmanned aerial vehicles) and ASVs (autonomous surface vehicles) - will be given, associated technology, software frameworks and research objectives.

In the second part of the talk, some issues on the modelling and deployment of embedded control software will be discussed, in particular considering a hybrid system model-driven approach to embedded control software development.

Bio Eduardo Marques is a researcher at the Underwater Systems and Technology Lab, Univ. of Porto (<http://whale.fe.up.pt>) and is beginning his Phd in Computer Science, co-supervised by Prof. Christoph Kirsch, Dep. Computer Science, Univ. Salzburg. His research interests are in the field of embedded systems software development including real-time networked deployment, hybrid systems modelling and automotive applications.

Where Jakob-Haringer-Straße 2, T02

When Wednesday, 4. Oct. 2006, 16:00 h (s.t.) Host: Prof. Christoph Kirsch