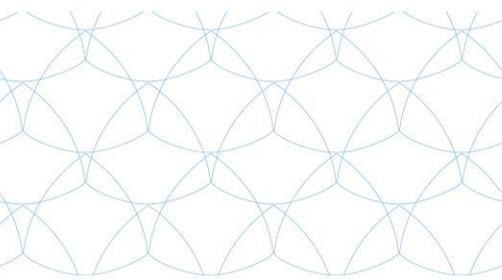


INVITED TALK

9th June 2016

University of Girona Project
Management System – sharing
experiences with LABUST laboratory

Josea Roca
University of Girona



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691980.



1. INVITED TALK DETAILS

Date: 9th June 2016
Time: 13:00 – 15:00
Location: On-line talk

Title: University of Girona Project Management System – sharing experiences with LABUST laboratory

Name: Joseta Roca

Affiliation: Computer Vision and Robotics Research Institute, University of Girona
Edifici CIRIS, Parc Científic i Tecnològic UdG
C\ Pic de Peguera 13 (La Creueta)
17003 Girona, Spain

2. ABSTRACT

[Girona Underwater Vision and Robotics](#) research lab has a strong experience in the design and development of hovering AUV prototypes for different applications going from inspection to intervention. Several AUV prototypes have been designed during the last 10 years, all of them having a different conceptual design, and being [GIRONA 500 AUV](#) and [SPARUS II AUV](#) the currently operative platforms.

Besides its technical expertise, one of the core competences of the lab is its internal organization in terms of project management and general organizational issues. The talk aims to share the experiences of the UdG with FER UNIZGR and try to identify possible collaboration points as well as a general advice on the topic.

3. BIOGRAPHIES OF LECTURERS



Joseta Roca

Email: josepa.roca@udg.edu

Girona (1983). Studied Business Administration at the University of Girona, along her studies she was Erasmus Student at FH Joanneum in Austria, where she had the chance to participate in a very industrial oriented studies programme. After two years working in the retail sector as a marketing manager, she started her master studies on Business Innovation and Technology Management at the University of Girona. She defended her master thesis on the topic “Key Success Factors for technology management” and since then she works at Computer Vision and Robotics Research Institute where she combines project management tasks with technology transfer management and business development. She currently leads a team of the people focused on the general management of the research and communication of the institute.

4. DESCRIPTION OF THE PARTNER INSTITUTION:

Universitat de Girona
**Institut de Recerca en Visió
per Computador i Robòtica**

**Computer Vision and Robotics Research Institute,
University of Girona**

Address: Edifici PIV, Campus Montilivi
Universitat de Girona
17071 Girona
Spain

Website: <http://vicorob.udg.edu>

The University of Girona is a public institution devoted to excellence in teaching and research and to participating in the progress and development of society through the creation, transmission, diffusion and criticism of knowledge related to sciences, technology, humanities, social sciences and arts. The Computer Vision and Robotics Research Institute (VICOROB) at the University of Girona is devoted to the research related to the areas of computer vision, image processing and robotics. VICOROB is composed of 75 members (22 PhDs) and in the period 2007--2012 has participated in 21 European and Spanish Research Projects (4,5M€) and 23 Industry Contracts (1M€), has supervised 55 PhD/MSc theses and published 97 articles in journals, 47 book chapters and 180 conference attendances.



GIRONA UNDERWATER VISION AND ROBOTICS

Girona Underwater Vision and Robotics Lab

Address: Edifici CIRS, Parc Científic i Tecnològic UdG
C\ Pic de Peguera 13 (La Creueta)
17003 Girona
Spain

Website: <http://cirs.udg.edu>
Contact: Assoc. Prof. Dr. Marc Carreras
<http://eia.udg.es/~marcc>
marc.carreras@udg.edu

[Girona Underwater Vision and Robotics](#) research lab, as part of the Institute, has a strong experience in the design and development of hovering AUV prototypes with high-resolution image mapping capabilities. 5 AUV prototypes have been designed during the last 10 years, all of them having a different conceptual design. Being [GIRONA 500 AUV](#) and [SPARUS II AUV](#) the currently operative platforms. During the last years the team has worked on the development of advanced image processing techniques for the 2D and 3D mapping of the seafloor, as well as with the fusion of these techniques with navigation data coming from state of the art navigation sensors (DVL, gyros, USBL) together with global optimization techniques to face large-scale maps. Map based navigation and SLAM of underwater robots using both acoustics and/or video images is currently one of the main topics of research. VICOROB has also a long experience in intelligent control architectures and has contributed in mission control systems, behaviour-based architectures, robot learning and path planning for AUVs. Finally, the group has expertise in mechatronics and software integration. Recently, 4 Sparus II AUVs have been developed to be delivered to external research institutions, three of them participating in the EU-funded euRathlon underwater competition. UdG has consistently shown in the past that it can afford young and senior researchers the proper intellectual setting for training in the interdisciplinary field of cooperative autonomous robotics. After 20 years doing research, the team has become a benchmark in Europe for the design and construction of autonomous underwater vehicles, and the development of cutting edge software for the processing of visual and acoustic data. The team is also a member of [TECNIO](#) network of Excellence in technology transfer in Catalonia region. We are located in [Scientific and Technological Park](#) of the UdG.