



## IFAC NGCUV 2015

### IFAC Workshop on Navigation, Guidance and Control of Underwater Vehicles

28th - 30th April 2015  
Girona (Spain)

[www.ngcuv.org](http://www.ngcuv.org)



## CALL FOR PAPERS

NGCUV 2015 has two main aims. Firstly, to bring together key industrial and academic practitioners for discussions and demonstrations of recent advances in navigation, guidance, and control of unmanned underwater vehicles (UUV).

Secondly, to provide a forum where experienced researchers can engage with each other and with postdoctoral students in order to share experiences and motivate new research agendas. In line with the current trend worldwide, special attention will be given to the challenging tasks of multiple vehicle cooperative navigation and control in the presence of stringent acoustic communication constraints, as well as non-conventional geophysical based navigation methods.

The International Program Committee cordially invites you to participate and submit your contribution in one of the proposed topics:

#### Unmanned Underwater Vehicle (UUV) applications

System identification

Navigation, Mapping and Control

Modelling and Simulation

Sensing and Estimation

Communications

Cooperative control under severe communication constraints

Fault detection and handling

Security applications

Environment monitoring and protection

UUV vision systems

Intervention UUVs

Inter-operability

Single and multi-vehicle applications

Commercial use: oil and gas exploration/operations, underwater construction, etc.

All submissions must be made electronically through the conference web site. Abstracts will be reviewed by the Technical Program Committee. Authors of accepted papers must register for the workshop and submit camera ready papers.

#### Important dates: (Extended Deadline)

Invited Session Submission: **1st December 2014**

Draft paper submission: **18th January 2015**

Notification of acceptance: **25th February 2015**

Camera-ready manuscript: **15th March 2015**

NGCUV15, Workshop: **28th-30th April 2015**

#### National Organizing Committee

Pere Ridao  
Universitat de Girona

#### International Organizing Committee

João Tasso de Figueiredo Borges de Sousa  
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