

# Talk Announcement

10.30 a.m. of Tuesday 21th March 2007  
Aula Seminari del DII  
[Università del Salento](#)  
[via Monteroni](#)  
[73100 Lecce, Italy](#)

"Behaviour design and test for autonomous underwater vehicles"

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## Abstract:

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Autonomous underwater vehicles (AUVs) have to pursue multiple objectives which can be grouped into task-specific ones (e.g. exploring an area) and self-sustaining ones (e.g. avoiding obstacles, or caring for energy efficiency in the presence of current). When tasks are performed by groups ('swarms') of AUVs, tasks need to be identified and negotiated dynamically during the mission. Autonomy requires assessing a current situation in a partially unknown environment, and selecting a strategy which complies with all objectives.

In this talk, the principles for designing autonomous behaviours will be explained, a particular behaviour system will be illustrated, and the simulation environment will be demonstrated.

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For any further information, please contact the organizer:

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