

Our research activities

An integrated modular approach is adopted, developing throughout the following

- Components, sensors, devices, agent-subsystems
- Sensor Integration & data fusion/interpretation
- Individual Agent Autonomy
- Underwater Communication infrastructures and methods
- Multi-agent Cooperative Autonomy
- Multi-agent Mission Planning and Supervision











projects logos







Maris (PRIN Project)





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Maris (PRIN Project)



IEEE JOURNAL OF OCEANIC ENGINEERING, VOL. 43, NO. 3, JULY 2018

Peer-Reviewed Technical Communication

Autonomous Underwater Intervention: Experimental Results of the MARIS Project

Enrico Simetti ^D, *Member, IEEE*, Francesco Wanderlingh, Sandro Torelli, Marco Bibuli, Angelo Odetti, Gabriele Bruzzone, Dario Lodi Rizzini, Jacopo Aleotti, Gianluca Palli ^D, Lorenzo Moriello, and Umberto Scarcia





Spin Offs (and alike)

Integrated Systems for Marine Environment







Director

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ISME Youtube channel



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Università di Genova

Centro del Mare - Università di X

S Mare ∭

sea.unige.it/#

Genova as Headquarter

https://sea.unige.it/#

Events

Teaching units Courses

PhD Research Liguria and sea IT EN

Centro del Mare

Centro del Mare encompasses all marine related disciplines, resulting in a collection of highly specialized and multidisciplinary skills.

Here, more than 400 researchers carry out their teaching and research activity about the sea.

Thanks to their activities, Università di Genova ranks among the best universities in the world on marine and maritime topics.

Liguria is the Italian region where the **sea economy** has the greatest impact on the business sector. Our region offers the most important shipbuilding companies in the world, ports, companies and professional studios, protected marine areas, cruise ships and tourism.

Università di Genova and Liguria are therefore the ideal place to study and experience the sea in its various forms: environmental, productive, recreational and social.



Underwater Intervention

Dexterous ROV: effective dexterous ROV operations in presence of communication latencies.

https://cordis.europa.eu/project/id/635491

https://www.dexrov.eu/

P. Di Lillo, **E. Simetti**, F. Wanderlingh, G. Casalino and **G. Antonelli**, "Underwater Intervention With Remote Supervision via Satellite Communication: Developed Control Architecture and Experimental Results Within the Dexrov Project," in IEEE Transactions on Control Systems Technology, vol. 29, no. 1, pp. 108-123, Jan. 2021, doi: 10.1109/TCST.2020.2971440.

Thank you!