Sim & Sea
The Simulation and the Sea

MIMOS movimento italiano modellizzazione e simulazione

MIMOS Workshop on Simulation Tools and Techniques applied within Marine Domain
Galata, Sea Museum, Genoa, Italy, June 9 2014

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The Sea is a challenging world where often we have to operate at the limit of human capability. The complexity of this environment is balanced by the richness of its opportunities and we have to address a broad area of expertise as well as multiple sectors and topics to succeed over there; so, in this context, the modern methods of Modelling & Simulation (M&S) represent a strategic science; therefore simulation is the essential investigation tool able to extend our capabilities to study and analyze multidisciplinary problems within virtual interoperable worlds and to experiment new concepts and new strategies. Hence, the Workshop "Simulation and the Sea" focuses on specific issues related to Sea as a resource where to operate effectively and efficiently in the context of port & logistics, maritime navigation & shipping, oil & gas activities, defense and homeland security. From this point of view, Italy and Liguria in particular offer good examples of maritime M&S excellence within Academia and Industry, so Genoa is the ideal framework for this workshop. Indeed Liguria has always been particularly active at "sea side" in terms of simulation according to its peculiarities and to the presence of Excellence Centers in Marine Sector, Ship Yard Industry, Naval Defense, Port Terminals for cargo and passengers as well as Training Service and R&D.

Topics

The "**Sim & Sea, the Simulation and the Sea**" Workshop Call for Proposals solicits contributions on various applications of marine M&S, which include, but are not limited, to the following topics:

- *Autonomous Underwater Vehicle Simulation*
- *Live, Virtual & Constructive Marine Simulators*
- *Marine Virtual Prototyping*
- *Simulation Based Naval Design*
- *Oil and Gas Simulation*
- *Ship Simulation*
- *Simulation and Sea Keeping*
- *Port and Logistics Simulation*
- *Training & Simulation in Marine Environment*
- *M&S in Naval Defense*
- *Interoperable Naval Simulation*
- *Homeland Security within Marine Domain*
- *Sea and Serious Games*
- *Underwater and Surface M&S*
- *Unmanned Surface Vehicles Simulation*
- *ROV Simulation*

Absttract Submissions

Authors are invited to submit their abstracts in order to participate to this workshop; the abstracts could be written in English and should include: *title, author list with relative affiliations, email and postal address, name of corresponding author, synthetic abstract (500 words) and scientific/technical references*. The abstract should summarize a clear and short description of the work to be presented including elements for technical scientific evaluation; the abstract should be sent (*in pdf format*) to *christian.bartolucci@simulationteam.com*
The workshop proceedings will be available on MIMOS Web Site in consistency with clearance declaration provided by each author. In order to send the contributions, it is necessary to complete the free registration on the web site

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Deadlines
- May 20, 2014: abstract submission (EXTENDED)
- May 24, 2014: acceptance notification to the authors (EXTENDED)
- May 26, 2014: official final program (EXTENDED)

Registration
Workshop registration is **Free** and should to be completed before *June 1 2014*, on Sim & Sea web site at www.mimos.it. For further details please check www.mimos.it or contact organizers (christian.bartolucci@simulationteam.com).

General Chairs
- Agostino Bruzzone – Director M&S Net and MIPET DIME Università di Genova
- Francesco Lupi – CEO BK srl Brain and Knowledge
- Aldo Zini – Member of the Board of Directors MIMOS, CETENA, Fincantieri Group

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- Andrea Trucco – A3US, Università di Genova (trucco@ieee.org)
- Aldo Zini - Cetena (aldo.zini@cetena.it)

Location and Venue
The Workshop is held on the Meeting Room of Galata, Sea Museum, Calata dei Mari, 1, 16126 Genoa, Italy, June 9, 2014 / www.liophant.org/conferences/2014/simsea

Workshop Program
10:00	Welcome	*14:30*	*Break*
10:30	Naval Simulation	15:00	Simulation in Marine Domain
12:00	*Break*	16:30	Panel Session
13:00	Modeling and Simulation at Sea	17:30	Closure

www.liophant.org/conferences/2014/simsea