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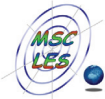
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WELCOME TO WAMS 2012!

On behalf of the WAMS 2012 Program Committee it is our pleasure to present the proceedings of the International Workshop on Applied Modeling and Simulation - WAMS 2012.

The WAMS Workshop can be dated back in 1999 and since then it has moved along the world: Brasil (Rio de Janeiro, Buzios) Russia (St. Petersburg). The workshop aim is to bring together scientists and professionals from Industry and Academia and encourage a constructive debate on the main issues related to M&S applications.

As everybody knows, the current technological frontier is being pushed increasingly forward therefore researchers are asked to face even more challenging issues within complex and dynamic systems. In this context simulation applications have proven to be strategic allies to cope with the dynamicity, the turbulence and the instability of such systems. As a matter of fact, simulation applications are widely growing insomuch as they are becoming an every-day tool in many areas, to name a few: industry, defense, healthcare. To this end WAMS aims to provide an ideal framework about trends and developments in applied Modeling and Simulation collecting high quality research works. Therefore worldwide specialists will have the opportunity to present new advanced applications as well to get in touch each others to set up new international co-operations and joint projects.

In addition, WAMS 2012 is co-located with the 7th NATO CAX forum; all the attendees of WAMS 2012 have free access to all the unclassified NATO CAX forum sessions therefore having a great opportunity to get in touch with the last advances of Modeling and Simulation in the military sector.

Each published work has undergone a careful review process; in this regard it is right and proper to thank all the members of the international program committee for their invaluable contribution. Another thanks goes to the authors who have contributed to this event with excellent research works. We wish you a fruitful and inspiring conference and a pleasant stay in Rome.



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The WAMS2012 International Program Committee (IPC) has selected the papers for the Conference among many submissions; therefore, based on this effort, a very successful event is expected. The WAMS 2012 IPC would like to thank all the authors as well as the reviewers for their invaluable work.

A special thank goes to all the organizations, institutions and societies that have supported and technically sponsored the event.

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