



ROME, 24-26 OCTOBER 2017

Modelling & Simulation for Autonomous Systems (Scientific Workshop) 2017

Inter-domain and Multi-disciplinary exchange of
knowledge within Modelling & Simulation and
Robotics communities of interest

for enquiries about the workshop
contact the Event Manager
or visit the official website
www.mesas.mscoe.org



AIM

MESAS' 17 is a three-day workshop gathering renowned experts from military, academia and industry with the objective to extend the concept for the use of Modelling and Simulation in the integration of Systems with Autonomous Capabilities (AxS) into Operational activities.

CALL FOR PAPERS

NATO M&S COE requests all interested researchers and technicians of academic, industrial or military research centers to send an abstract to be evaluated by members of MESAS'17 Scientific Committee. Authors of approved Abstracts will be asked to prepare a full paper following the Springer template, then to present the paper during the MESAS'17 Workshop.

Presentations will be ran in plenary and parallel sessions. Full papers selected by the Scientific Committee will be included in the post conference proceedings indexed in the ISI Conference Proceedings Citation Index – Science (CPCI-S) and EI Engineering Index (Compendex and Inspec databases).

ADVANCED RESEARCH PERSPECTIVES DEFENSE AND CIVILIAN APPLICATIONS

Novel contributions or research/technological advancements are recommended. Overview of ongoing research and approaches are also welcome.

ORGANIZER

The NATO M&S COE is a recognized international military organization activated by the North Atlantic Council in 2012, and is not under the NATO Command Structure. Partnering Nations provide funding and personnel for the Centre through a Memorandum of Understanding. Czech Republic, Italy, Germany and the US are current Members and other Nations are in consideration.

The NATO M&S COE supports NATO Transformation by improving the networking of NATO and Nationally owned M&S systems, promoting cooperation between Nations and Organisations through the sharing of M&S information and serving as an international source of expertise.

The NATO M&S COE seeks to be a leading world class Organization, providing the best military expertise in M&S technology, methodologies and the development of M&S professionals. It will be the focal point of an integrated network of M&S training centers and other COEs promoting an interoperable, distributed M&S service to all of NATO and Partnering Nations.

IMPORTANT DATES

April 2017

Call for Papers

28 May 2017

Abstracts submission closure

4 June 2017

Notification of acceptance

24 September 2017

Full paper submission

24-26 October 2017

MESAS'17 Workshop in Rome, ITALY
(CASA DELL'AVIATORE)

TOPICS

Based on the results of the previous workshop the main themes for this year are:

Future Challenges and Opportunities of Advanced M&S Technology

- Key Challenges of the Contemporary Research and Development
- Capability Dev. in Context of Future Ops and Social Environment
- Man versus Computer
- Advanced M&S Projects
- Future Technology and Impact on Society

AxS and Swarming – R&D and Application

- Robotic Swarms, Benefits, Treats and Challenges
- Important or Interesting Concepts and Experiments
- Concepts and Visions of Future Warfare and Application
- M&S in Capability Evaluation of Robotic Swarms
- Effectiveness and Reliability Issue

M&S of Intelligent Systems – AI, R&D and Application

- Autonomous Tactical Behaviour
- Math Modelling and Simulation of AI Tasks
- RT Issue and Reality Gaps in Context of New AI Concepts
- Modelling and Simulation of Future Operational Tasks

AxS in Context of Future Warfare and Security – Concepts, Applications, Standards and Legislation

- Autonomous Systems Strategy and Concept Development and Implementation in all Domains of Operation
- Advances in AI and its Impact on Future Operations
- The Role of the Robots and Foot Soldier in the Future Operations
- Security, Use of AxS as Lethal Instruments, Safety of Aviation
- Ethical, Psychological, Legal and Operational Aspects, CIMIC
- CYBER Security (in Context of AxS an it's Applications)

ABSTRACTS & REGISTRATION

Authors are requested to send abstracts only via the Springer OCS System, for more information see the Call for Papers tab on MESAS17 WEB page:
<http://mesas.mscoe.org/index.php/call-for-paper>

WORKSHOP FEE

The MESAS 2017 fee is 120 EUR.

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