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1ST DAY - 5TH MAY 2014

07.45 – 09.00

Attendees [Registration](#)

09.00 – 10.00

MESAS '14 Opening Ceremony
Room: MASSALIA 1

Col. Stefano Nicolò ([/index.php/about-us](#))
Director of the NATO Modelling & Simulation Centre

Dr. Marco Protti ([/index.php/Board](#))
Alenia Aermacchi - Head of Advanced Research

Prof. Antonio Bicchi ([/index.php/Board](#))
Professor of Robotics at the University of Pisa and the Italian [Institute of Technology](#) in Genoa

Maj. Gen. ITAF Francesco LANGELLA ([/index.php](#))
Deputy for Research and Technologies activities

10.00 – 10.20

Coffee Break in the Exhibitors Area

10.20 – 12.50

MESAS'14 Plenary Session
Room: MASSALIA 1
Chair-MajGen Francesco LANGELLA

Dr. Brian GERKEY ([/index.php/workshop-agenda/](#))
CEO and Founder OSRF, DARPA Contractor:
The DARPA Virtual Robotics Challenge: Simulation

10.20

Dr. Roberta ARNOLD ([/index.php/workshop-speakers](#))
LLM, Attorney Military Academy Zurich:
The Legal implication of the use of Autonomous military operations and the MCDC 2013-2014 simulation

10.50

Col. Jan UEBERSAX ([/index.php/workshop-speakers](#))
Cdr Infantry School 2 and Training Facilities Char

11.20

11.50	Forces: A pragmatic approach for xSAC through Model (M&S) in the Armed Forces
12.20	Dr. Andreas TOLK (/index.php/workshop-agenda/ Chief Scientist SimIS Inc., Old Dominion University Systems Engineering for M&S Based Develop for Autonomous Capabilities
	Dr. Julie M. STARK (/index.php/worksho speakers) <u>Associate</u> Director for Autonomy and Unmanned S US Navy Office of Naval Research Global (ONR
12.50 – 13.00	Photo Opportunity
13.00 - 14.15	Networking Lunch (hosted)



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MESAS'14 SESSION 1
Room: MASSALIA 1
Chair: Prof. Agostino BRUZZONE

14.15 - 15.55	SIRI – Simulated Interactive Robotics Initiative: a NATO M&S COE and US Joint Staff J6 initiative <i>A. Cignoni (NATO M&S COE)</i>
14.15	Harbour protection strategies with multiple autonomous marine vehicles <i>G. Antonelli F. Arrichiello S. Chiaverini, A (University of Cassino and Southern Lazio), G. Casalino E. Simetti S. Torelli (University of Genoa), A. Marino (University of Salerno)</i>
14.35	CITIUS : Towards seamless interoperability in Naval Network Centric operations <i>J. Martinez Salio J. Rodriguez Alvarez (NADS), A. Columé Columé (Navantia)</i>
14.55	Taking advantages of modern distributed infrastructures in <u>Modelling and Simulation</u> <i>G. B. Buora M. Barbina C. Giusti (Selex ES)</i>
15.15	A model-driven framework for the distributed simulation of autonomous systems <i>A. D'Ambrogio P. Bocciarelli (<u>University of Rome "Tor Vergata"</u>)</i>
15.35	



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15.55 - 16.10

Coffee Break in the Exhibitors H

16.10 - 17.30
16.10
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17.10

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MESAS'14 SESSION 1
Room: MASSALIA 1
Chair: Prof. Agostino BRUZZONE

High Level Architecture as an experimentation backbone for Autonomous System integration into operational field
J. Hodicky (NATO M&S COE)

Heterogeneous Networks: Simulating Autonomous Systems and Traditional Assets
A. Berni A.G. Bruzzone D. Merani (NATO ST&O CMRE)

Integrated Simulation Facility for Interoperability Operation
G. Corraro, N. Genito, F. Montemari, D. Rispo (CIRA)

ASCARI: a component based simulator for distributed mobile robot systems
M. Ferrati, L. Pallottino, A. Settimi (University of Pisa)

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Networking Evening Hosted by FINMECCANICA
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18.30 - 22.00

18.30 - 19.00

2ND DAY - 6TH MAY 2014

<p>08.50 – 10.30</p> <p>8.50</p> <p>9.10</p> <p>9.30</p> <p>9.50</p> <p>10.10</p>	<p style="text-align: center;">MESAS'14 SESSION 3 Room: MASSALIA 1 Chair: Dr. Marco PROTTI</p> <p style="text-align: center;">Ad by Browser Extension. More Info Hide These Ads</p> <p>USN-MESS - UAV swarm and Social Network integration for Mass Event Surveillance System F. Gemma (GM Spazio)</p> <p>A cloud based service for management and planning of autonomous UAV missions in smartcity scenarios R. Antonini M. Gaspardone (Telecom Italia) B. Bona M. Chiaberge G. Ermacora M. Silvagni A. Toma (Politecnico Torino)</p> <p>An Integration of Gazebo Robot Simulator with a Computational Fluid Dynamics Engine R. Antonini (Telecom Italia), S. Rosa L. Orlando Russo (Politecnico Torino)</p> <p>A Yarp based plugin for Gazebo Simulator E. Mingo Hoffman S. Traversaro A. Rocchi L. Natale F. Nori N. G. Tsagarakis (IIT Genoa), A. Bicchi M. Ferrati A. Settini (University of Pisa)</p> <p>Combining complementary motion estimation approaches to increase reliability in urban search&rescue missions V. Kubelka, M. Reinstein (Czech Tech University)</p>	<p style="text-align: center;">MESAS'14 SESSION 4 Room: MYLASA Chair: Prof. Antonio BICCHI</p> <p>Operational scenarios simulation to support building design: a hospital design case study D. Simeone I. Toldo S. Cursi (University of Roma "Sapienza")</p> <p>Use of HLA federation for the Evaluation of Naval operations in ship design A. Zini D. Tozzi F. Valdenazzi (CETENA)</p> <p>A Simulation Tool for Evaluating Attack Impact in Cyber Physical Systems G. Dini (University of Pisa)</p> <p>MedALE Project: a Networked Simulation Exercise P. Galati P. Nurra F. Pusceddu (Alenia Aermacchi), M. Pasciuto G. Riccardi (ENAV)</p> <p>Plume Tracking by a Self-Stabilized Group of Micro Aerial Vehicles M. Saska, J. Chudoba, L. Preucil (Czech Tech University), J. Thomas G. Loianno V. Kumar (University of Pennsylvania)</p>
<p>10:30 – 11:00</p>	<p>Coffee Break in the Exhibitors Hall</p>	
<p>11.00 – 13.00</p> <p>11.00</p> <p>11.20</p> <p>11.40</p> <p>12.00</p>	<p style="text-align: center;">MESAS'14 SESSION 3 Room: MASSALIA 1 Chair: Dr. Marco PROTTI</p> <p>Guided motion planning for modular robots, V. Vonasek O. Penc L. Preucil (Czech Tech University)</p> <p>Alntegration Scheme for Modular Snake Robot Software Components K. Melo J. Monsalve J. Leon D. Roa L. Paez (KM-RoBoTa)</p> <p>Accepted Autonomy for Search and Rescue Robotics P. Zuzanek, K. Zimmermann, V. Hlavac (Czech Tech University)</p> <p>A modular approach for remote operation of humanoid robots in search rescue scenarios A. Settini C. Pavan M. Ferrati V. Varricchio A. Bicchi K. Melo (University of Pisa), E. Mingo Hoffman N.</p>	<p style="text-align: center;">MESAS'14 SESSION 4 Room: MYLASA Chair: Prof. Antonio BICCHI</p> <p>A UAV-based visual tracking algorithm for sensible areas surveillance P. L. Mazzeo, P. Carcagni, C. Distante, P. Spagnolo (CNR), F. Adamo, G. Indiveri (Università del Salento)</p> <p>Data-centric Multirobot Systems F. Fedi (SSI)</p> <p>An optimized control embedded system for UAV/UGV applications G. Dara, M. Chiaberge, A. Toma (Politecnico Torino)</p> <p>The Vision-Based Terrain Navigation Facility: a technological overview A. Toma, M. Chiaberge, M. Silvagni, G. Dara (Politecnico Torino)</p>

12.20	<p><i>Tsagarakis A. Rocchi (IIT Genoa)</i></p> <p>Simulation-based goal-selection for autonomous exploration <i>M. Kulich V. Vonasek L. Preucil (Czech Tech University)</i></p>	<p>Using virtual simulation environments for development and qualification of UAV perceptive capabilities: comparison of real and rendered imagery with MPEG7 image descriptors <i>Hummel P. Stütz (Universität der Bundeswehr München)</i></p>
13.00 – 14.15	<p>Networking Lunch (hosted)</p>	
14.15 – 14.35	<p>MESAS'14 SESSION 3 <i>Room: MASSALIA 1</i> <i>Chair: Dr. Marco PROTTI</i></p>	<p>MESAS'14 SESSION 4 <i>Room: MYLASA</i> <i>Chair: Prof. Antonio BICCHI</i></p>
14.15	<p>A light-weight robot simulator for modular robotics <i>V. Vonasek D. Fiser K. Kosnar L. Preucil (Czech Tech University)</i></p>	<p>A PLM-based approach for Un-manned Air System design <i>G. Bernabei (Dhiteh), A. Corallo, M. Lazio, R. Lombardo, C. Sassanelli (Università del Salento)</i></p>
14.35 – 16.30	<p>Round Table <i>Room: MASSALIA 1</i></p> <p>Chair - Simon Williams (Clarion Events Ltd)</p> <p>Roberta Arnold (Military Academy Zurich), Antonio Bicchi (University of Pisa), Agostino Bruzzone (CMRE), Brian Gerkey (OSRF), Vàclav Hlavac (Czech Technical University), Marco Protti (Alenia Aermacchi), Julie M. Stark (US ONRG), Andreas Tolk (SimIS Inc), Jan Uebersax (Swiss Army).</p>	
16:30 – 17:00	<p>MESAS'14 Closing Remarks and Best Paper Award <i>Room: MASSALIA 1</i></p> <p>Dr. Marco PROTTI, Alenia Aermacchi – Head of Advanced Research and Prof. Antonio BICCHI, Professor of Robotics at the University of Pisa and Senior Scientist at the Italian Institute of Technology in Genoa</p> <p>Maj. Gen. ITAF Francesco LANGELLA, Deputy for Research and Technologies activities within Armaereo</p> <p>Col. Stefano NICOLÒ, Director of the NATO Modelling & Simulation Centre of Excellence</p>	

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