

Annual Report of the McLeod Institute of Technology and Interoperable Modeling & Simulation

Simulation Team Genoa Center, Italy

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List of Research Activities & Projects -Subject -Type [Topic/Project] -Description -Year	Military Applications PNRM SIMCJOH: Simulation of Multi Coalition Joint Operations involving Human Modelling 2013-2015 Modeling for Defense: ProDifCon: research project funded by DLTM/Regione Liguria
List of Educational -Title -Type [University Course/Professional Course] -Year	Master Courses, Italy, 2012-2013: Industrial Plants: University of Genoa Professional Courses, Italy 2013 M&S: Italian MoD, Italian Army Telecomm.School PhD Courses, University of Genoa, Italy, 2012-2013 "Modeling & Simulation", "Project Management & Concurrent Engineering in R&D Projects", "VV&A"
	Agostino G. Bruzzone, Alberto Tremori, Francesco Longo, Michele Turi, Giulio Franzinetti (2012) Models & interactive simulation for civil military interoperability in humanitarian aid and civil protection, Proc. of I3M2012, Wien, sept 19-21 2012 Agostino Bruzzone, Henrique C. Marques, Giovanni Cantice, Michele Turi (2012) "Innovative C2 and simulation for crowdsourcing as force multiplier" Proc. of I3M2012, Wien, sept 19-21 2012 Agostino Bruzzone, Alberto Tremori, Claudia Baisini (2012) "Serious games for developing intuition and agile thinking for decision makers" Proc. of I3M2012, Wien, sept 19-21 2012 Agostino Bruzzone, Letizia Nicoletti, Alessandro Chiurco, Emanuela Palaia (2012) "Marine ports environmental sustainability: a state of the art overview" Proc. of I3M2012, Wien, sept 19-21 2012 Agostino G. Bruzzone, Marco Frascio, Francesco Longo,

Marina Massei, Anna Siri, Alberto Tremori (2012) "MARIA: an agent driven simulation for a web based serious game devoted to renew education processes in health care" Proc. of I3M2012, Wien, sept 19-21 2012

Agostino Bruzzone, Francesco Longo (2012)
"Simulation based analysis of a manufacturing system devoted to produce hazelnut based products Proc. of I3M2012, Wien, sept 19-21 2012

Carlos Arango, Agostino Bruzzone, Letizia Nicoletti, Pablo Cortes (2012) "A simulation-based approach for resource management and control: a real case study of a Spanish container terminal" Proc. of I3M2012, Wien, sept 19-21 2012

Agostino G. Bruzzone, Vera Novak, Francesca Madeo (2012)
"Agent Based Simulation Model For Obesity Epidemic Analysis" Proc. of I3M2012, Wien, sept 19-21 2012

Agostino Bruzzone, Francesco Longo, Alberto Tremori (2012)
"Interoperable simulation for protecting port as critical infrastructures" Proc. of I3M2012, Wien, sept 19-21 2012

Agostino Bruzzone, Francesca Madeo, Claudia Frydman, Simonluca Poggi, Marina Massei, Gregory Zacharewicz (2012)
"Experimentation on CIMIC and PSYOPS simulators" Proc. of I3M2012, Wien, sept 19-21 2012

Bruzzone A.G., Merkurjev Y. (2012) "New Challenges in Supply Chain Management Simulation: Competitiveness vs Sustainability" Keynote Speech at AMS 2012, Bandung and Kuta, Indonesia, May 29-June 1

Bruzzone A.G., Massei M., Bocca E. (2012) "Simulation Models and Serious Games for Project Team Training in Engineering, Procurement, Construction & Commissioning", Proceedings of Africa M&S, Gaborone, Botswana, September

Bruzzone A.G. (2012) "Evolution of Industrial Needs for Modeling & Simulation: New Challenges and New Opportunities" KeyNote Speech at MathMod2012, Wien, Austria

Bruzzone A.G., Longo F., Massei M., Madeo F. (2012)
"Different Approaches in Simulation applied to Industrial Process Plants" Proceedings of EAIA Spring Sim, Orlando, March

Mastrososa F., Bruzzone A.G., Castrogiovanni R., Sacco L. Lorusson G., Madeo F. (2012) "Modelling & Simulation to Support NATO Crises Management Exercise", Proceedings of Summersim 2012, Genoa, Italy July

Bruzzone A.G. (2012) "Intelligent Agents for Simulation of

	Civil Military Cooperation and Psychological Operations", Proceedings of Summersim 2012, Genoa, Italy July
Center simulation tools	Simulation software C/C++, Java, Visual Basic Arena, Horus, WinOp, Modsim III, Taylor II, Proservice, Simulink, Pasion, GPSS/H NeuralWare Pro, JTLSetc. Simulation Hardware Logistics Laboratory (16 PC), Cocodrillo Labs (4 PC), COCODRIS Mobile Lab (4 PC), HLA Laboratory (6 PC), DIP Labs (3 PC), WILD Mobile Lab (5 Laptops), VR Lab (1 SGI, 1 WS, 6 VRPC), CYBERSAR Lab(9 PC), RAS Lab (8 PC)
Center highlights	<p>Scientific Activities</p> <p>The MISS organized the following events:</p> <ul style="list-style-type: none"> • NATO CAX Forum, Roma, Italy , 2013 ▪ I3M2013 Athen, Greece, which includes: <ul style="list-style-type: none"> ▪ The International Workshop on Harbour, Maritime & Multimodal Logistics Modelling and Simulation, HMS, in cooperation with MSC-LES ▪ The International Mediterranean Modeling Multiconference, I3M, in cooperation with MSC-LES ▪ The European Simulation Symposium and Exhibition - Simulation in Industry, EMSS, in cooperation with MSC-LES ▪ The International Workshop in Modeling & Applied Simulation, MAS, in cooperation with MSC-LES ▪ SIMCJOH kick off meeting c/o ITEC, Roma, Italy, May 24, 2013 ▪ SIMCJOH meeting with Italian Navy General Staff and NATO M&S CoE, June 5, 2013 ▪ Smackdown demo: I3M2012, Wien, Austria. SpringSim2013 San Diego, US <p>Networking Activity</p> <p><i>Active Participation at Conferences:</i> AMS2012, Kuta, Indonesia MATHMOD2012, Wien, Austria SpringSim2012 Orlando, F, US, MOSIM, Bordeaux, 2012 SCSC2012, Genoa, Italy I/ITSEC2012, Orlando, US ITEC2012, Londra, UK ITEC2013, Roma, Italy EMSS, Wien, Austria, 2012 HMS, Wien, Austria, 2012 I3M, Wien, Austria, 2012</p>

MAS, Wien, Austria, 2012
SpringSim, San Diego, CA, 2013
SCM MEMTS 2013 Sankt-Petersburg, Russia
Active Participation at NATO Groups:
NATO CAX Forum 2012
NMSG 113

Exchange Programs in MISS Genoa Center

MISS Genoa Guests:

Jan Fikejz, PHD from University of Pardubice, Czech Rep., July 2012
Nato MSG 113, Wayne Buck et al., april 2012
Prof. Terry Bossomaier, Charles Sturt University, June 2013

MISS Genoa Visits

Francesca Madeo: Dartmouth College, Naval Postgraduate School, Harvard Medical School, USA, april-june 2012
Agostino Bruzzone, University of Wroclaw, Poland, May 2012
Agostino Bruzzone, Charles Sturt University, Australia, May 2012
Marco Pucciano, Ford Motor Company, USA, march 2012
Agostino Bruzzone, Draper's Labs, Cambridge, M, US, april 2013