FINAL PROGRAM





1-3 December 2010

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MESM'2010 - GAMEON-ARABIA'2010 FINAL PROGRAMME

Overhead and LCD Projector are standard

The underlined authors are usually the presenters.

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Only papers in gray boxes are eligible for the best paper award

Wednesday, December 1, 2010

09.00 - 16.00	Registration			
09.30 - 10.00	Welcome Welcome Address Professor Marwan Al-Akaidi, De Montfort University, Leicester, United Kingdom Prof.Mostafa Sabet, Dean of the Higher Technological Institute Assoc.Prof. Ghada L. Amer, Arab Science and Technology Foundation			
10.00 - 10.30	Coffee/Tea Break			
10.30 - 12.30	Session I			
SIMULATION TOOLS				
10.30-12.30	Session Chairperson:			
10.00 12.00	Ghada L. Amer, Arab Science and Technology Foundation			
10.00 12.00	-			

Wednesday, December 1, 2010

	MESM_TOOLS_03 Simulation Assisted Model-Based Control Development – Unifying UML AP and Modelica ML Timo Vepsäläinen, David Hästbacka and Seppo Kuikka43 MESM_TOOLS_04
	Single Phase SVPWM for Grid-Tied Inverter Based on d-q Synchronous Reference Frame Controller Jasim Farhood and John Gow
12.30 - 14.00	Lunch Break
14.00 - 15.00	Session II
	NEURAL NETWORKS AND GAMING
14.00-15.00	Session Chairperson: Ghada Al-Hudhud, Prince Sultan University, Riyadh, KSA
	MESM_NEUR_01 CMAC Neural Network Modeling, Simulation and a comparative Study of Learning Algorithms Magdy Abdelhameed, Ahmed Kassem and Amro Shafik
	GAMEON-ARABIA_04 Learning a Representation of a believable Virtual Character's Environment with an Imitation Algorithm Fabien Tence, Cedric Buche, Pierre De Loor and Oliver Marc
15.00 - 15.30	Coffee/Tea Break

Wednesday, December 1, 2010

15.30 - 17.30	Session III
	SIMULATION IN MANUFACTURING
15.30-18.00	Session Chairperson: Ghada L. Amer, Arab Science and Technology Foundation
	MESM_TOOLS_05 Adding intermodality to the microscopic simulation package SUMO Michael Behrisch, <u>Jakob Erdmann</u> and Daniel Krajzewicz59
	MESM_MANUF_01 A Flexible Lean Automation concept for robotized manufacturing industry Fredrik Danielsson, Bo Svensson and Steve Gustavsson
	MESM_COMPLEX_01 Modeling Ready Mixed Concrete Operations using Computer Simulation Mohamed Marzouk, Ahmed Younes and Moheeb El-Said110
18.00 -	FREE EVENING

Thursday, December 2, 2010

09.00 - 12.00	Registration
09.00 - 10.00	Session IV
	KEYNOTE SPEECH
09.00-10.00	Session Chairperson: Ghada L. Amer, Arab Science and Technology Foundation
	MESM_KEY_01 The Future of Wireless Communications: WIMAX? Marwan Al-Akaidi
10.00 - 10.30	Coffee/Tea Break
10.30 - 12.30	Session V
	SIMULATION METHODOLOGY
10.30-12.30-	Session Chairperson: TBA
	MESM_METH_01 Optimal Sizing and Location of PVDG Unit on Radial Distribution Feeder Avoiding Reverse Current Flow Constraint Ammar Al-Sabounchi, John Gow, Marwan Al-Akaidi and Hamda Al-Thani
	MESM_METH_02 Capturing Image Outlines using Simulated Annealing Approach with Conic Splines Muhammad Sarfraz

Thursday, December 2, 2010

	MESM_METH_03 Modelling of a Non-Linear System Kahtan I. Aziz
12.30 - 14.00	Lunch Break
14.00 - 15.00	Session VI
	SIMULATION AND AI
14.00-15.00	Session Chairperson: Ghada L. Amer, Arab Science and Technology Foundation MESM_AI_02 Evolutionary Step Towards Co-operative Nanorobots: Adapting Self-Controlling and Coordinating of Communications G. AI-Hudhud
15.00 - 15.30	Coffee Break

Thursday, December 2, 2010

15.30 - 17.00	Session VI
	TELECOM SIMULATION
15.30-17.00	Session Chairperson: Ghada Al-Hudhud, Prince Sultan University, Riyadh, KSA
	MESM_TEL_01 Error Resilient Packet-Switched Video Telephony with Adaptive Rateless Coding and Reference Picture Selection Muneeb Dawood, Raouf Hamzaoui, Shakeel Ahmad and Marwan Al-Akaidi 121
	MESM_NEW_02 Modelling and Simulation of Solar Wireless Network Control System based on robust Model Predictive Controller Waleed Al-Azzawi and Marwan Al-Akaidi
	MESM_MANUF_03_TEL A Real-Time Data Grid Model With Centralized Job Scheduling Mustafa Mujdat Atanak, Safai Tandoğan and Atakan Doğan133
17.00 - 17.15	CLOSING SESSION
CLOSING SE	ESSION- BEST PAPER AWARD- FP7 MIDDLE EAST PROPOSAL
17.00-17.15	Session Chairperson: Marwan Al-Akaidi, De Montfort University, Leicester, UK Philippe Geril, EUROSIS-ETI, Ostend, Belgium
	Call for participants to the EUROSIS FP-7 Middle East Proposal
19.00 - 22.00	CONFERENCE DINNER

Friday, December 3, 2010

09.00 - 09.30 Departure for El-Alamein (exact time to be confirmed)

17.00 - 17.30 Departure from El-Alamein (exact time to be confirmed)

SEE YOU NEXT YEAR

AT MESM 2011 (dates and place to be confirmed later in December 2010)

ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE PROVISIONAL

Session Chairs are chosen on a voluntary basis by proposals by either authors or local committee members or are appointed by the Track Chairs, General Program Chair or General Conference Chair. They are responsible for their assigned session. They make sure their speakers are available, take care of the timing within the session, chair the discussion after each presentation and introduce each speaker based on the CV's given to them by the authors. **If a session chair is not available then the first author takes on the responsibility to chair**

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PAPERS IN GREY BOXES ARE THE EXTENDED PAPERS ELIGIBLE FOR THE BEST PAPER AWARD

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BEWARE: As some of the authors might not be granted an Egyptian visa it is possible that some of the papers might not be presented.

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EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project-driven instead of driven by pure membership and conferences.

The aim of the Society is to set up topic related Technical Committees which will link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future European Networks of Excellence, like MOSAIC.

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