

FINAL PROGRAM



10-12 December 2012

Arab Open University

Organized by



Sponsored by

eurosis



UKRI SPC



NOTES

MESM'2012 – GAMEON-ARABIA'2012 FINAL PROGRAMME

Overhead and LCD Projector are standard

The underlined authors are usually the presenters.

Conference Site: Arab Open University, Faculty of Computer Studies– Muscat, Oman

For any local information contact P.C.Sherimon: 📞 Mob Tel. ++968- 92324126, ✉ Email: sherimon@aou.edu.om 📠 University Tel: +968 24699444 website: <http://www.aou.edu.om>

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

Monday, December 10, 2012

08.15 - 15.00 **Registration**

08.45 - 10.00 **Welcome**

Welcome Address

Dr.Moosa Al Kindi, AOU, Muscat, Oman

Welcome Speech

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

Et al...

09.15 - 10.00 **Session I**

KEYNOTE SPEECH

09.15-10.00

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

GAMEON_AR_KEY_02

Modeling Culture: An overview of attempts to model aspect of human culture and history

Ken Newman, HTC, Abu Dhabi

10.00 - 10.30 **Coffee/Tea Break**

Monday, December 10, 2012

10.30 - 12.30 **Session II**

DISTRIBUTED INDUSTRIAL SIMULATION

10.30-12.30

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

MESM_METH_01

Load Balancing and Resource Allocation in Distributed Simulation Systems

Giuseppe Iazeolla and Alessandra Pieroni..... 5

MESM_AI_03

Intelligent Agent Vs. Non Intelligent Agent in Grid Computing Based on Multi-unit Auction

R. Arfa, P. Hellinckx and J. Broeckhove 11

MESM_TEL_01

Phase Quantization Effects on the Radiation of MEMS Based Reconfigurable Reflect Arrays

Hassan M.R. Salti, Erwan Fourn, Raphael Gillard and Hervé Legay 19

MESM_IND_01

Finite Element Simulation of Material Flow in Friction Stir Welding of Copper

Hamed Pashazadeh, Abolfazi Masoumi and Jamal Teimoumezhad

12.30 - 13.30 **Lunch Break**

13.30 - 14.30 **Session III**

NETWORKING

13.30-14.30

Session Chairperson:

R. Arfa, University of Antwerp, Antwerp, Belgium

MESM_TEL_06

Trust Based Reliable and Secure Routing in Peer-to-Peer Overlay Networks

Raja Waseem Anwar, Farah Abu Shahla, Saqib Ali and Sumitra Sirinvas..... 26

Monday, December 10, 2012

MESM_TEL_05

Characterizing the Scheduling Algorithms in IEEE 802.16

Farah Abu Shahla, Raja Waseem Anwar and Mathieu Moussa..... **32**

14.30 - 15.00 **Coffee/Tea Break**

15.30 - 17.00 **Session IV**

TUTORIAL

15.30-17.00

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

MESM_TUT_01

**Parametric Modeling of Ultrasonic Signals in Nondestructive Testing
Applications in Oil & Gas Industry**

Uvais Qidwai of Qatar University in Doha, Qatar

17.00 - **FREE EVENING**

Tuesday, December 11, 2012

09.00 - 12.00 **Registration**

09.00 - 10.00 **Session V**

KEYNOTE

09.00-10.00

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

MESM_KEY_01

Gamification in the Dubai Police: Opportunities and Challenges

Lt.Col Dr. Ahmed Bin Subaih of the Dubai Police General HQ

10.00 - 10.30 **Coffee/Tea Break**

10.30 - 12.30 **Session VI**

SECURITY SYSTEMS

10.30-12.30-

Session Chairperson:

P.C.Sherimon, AOU, Muscat, Oman

MESM_MED_02

Simulation of Library Security System Using Iris Scanning

R. Bremananth and Ahmad Sharieh **41**

MESM_MED_04

Ensemble Based Face Recognition

H. A. Khan, Marwan Al-Akaidi and A. S. Tolba..... **91**

MESM_MED_06

Multi Variant Analysis and Validation Study on Mastoid Triangle

Process for Sex Determination

Janaki Sivakumar, K. Thangavelu and Ammar Yassir **47**

Tuesday, December 11, 2012

MESM_MED_08 Transport and Mac Cross-Layer Protocol for Video Surveillance over WIMAX <u>Suherman, Marwan Al-Akaidi and Raouf Hamzaoui</u>	52
---	-----------

12.30 - 13.30 **Lunch Break**

13.30 - 15.00 **Session VII**

INFORMATION PROCESSING

13.30-15.00

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

MESM_AI_02

Modelling Behavioral Flexibility: A Dual Controller for a Context-Dependent Reinforcement Learning Paradigm

Oussama H. Hamid..... **63**

N_01

A proposal of an e-Monitoring system of the Online e-TMA (Tutor Marking Assignment) for Quality Assurance Purposes: Arab Open University's Experience

Haifaa O. Elayyan..... **68**

N_02

Concept Based Information Retrieval Using Semantic Analysis

Sherimon P.C, Youssef Saad, Reshmy Krishnan

and Vinu Sherimon **74**

15.00 - 15.30 **Coffee Break**

15.30 - 17.30 **Session VIII**

TUTORIAL

Tuesday, December 11, 2012

15.30-17.30

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

MESM_TUT_02

Modeling ECG and EEG Signals for Possible Classification Applications

Uvais Qidwai of Qatar University in Doha, Qatar

19.00 - 22.00

CONFERENCE DINNER

More info at the conference

Wednesday, December 12, 2012

09.00 - 09.30 **Registration**

09.00 - 10.00 **Session IX**

GAMING

09.00-10.00

Session Chairperson:

Ken Newman, HTC, Abu Dhabi

GAMEON_AR_01

GLIDE - Towards an Intelligent Kinesthetic Learning Space for Teaching Dance

Penny de Byl, James Birt and Mugeem Khan..... **81**

GAMEON_AR_05

Analysis of Intelligent Techniques In Games

Rula Al-Azawi, Khalfan Abdullah AL-Masruri, Aladdin Ayesh and Ian Kenny..... **83**

10.00 - 10.30 **Coffee/Tea Break**

10.30 - 12.30 **Session X**

TUTORIAL

10.30-12.30-

Session Chairperson:

Ken Newman, HTC, Abu Dhabi

GAMEON_AR_TUT_01

Autodesk Maya Software and the Workflow in 3D Content Design

Mugeem Khan, Northwestern University in Qatar, Doha, Qatar

12.30 - 12.45 **Session XI**

CLOSING SESSION

12.30-12.45-

Session Chairperson:

Professor Dr. Marwan Al-Akaidi, AOU, Safat, Kuwait

Best Paper Award Ceremony and closing statements

Wednesday, December 12, 2012

CONFERENCE VISIT

14.00 - 18.00 **More info at the conference**

SEE YOU NEXT YEAR

**AT MESM 2013- GAMEON-ARABIA'2013
(dates and location to be confirmed in January 2013)**

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**

THE NUMBERS NEXT TO THE PRESENTATIONS DENOTE THE PAGE-NUMBERS IN THE PROCEEDINGS. IF NO NUMBERS ARE MENTIONED THEN THIS PAPER IS NOT PUBLISHED IN THE PROCEEDINGS

THE AUTHORS WHO ARE UNDERLINED ARE NORMALLY THE PRESENTERS

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

CHECK OUT THE OTHER EUROSIS EVENTS ON OUR WEBSITE:

<http://www.eurosis.org>

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

eurosis

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.

If you would like to receive more information about EUROSIS, please contact

Philippe Geril
EUROSIS-ETI
Greenbridge Science Park
Ghent University – Ostend Campus
Wetenschapspark 1
Plassendale 1
B-8400 Ostend Belgium
 **Tel: +32.59.255330**
 **Fax: +32.59.255339**
 **Email: Philippe.Geril@eurosis.org**

Please send me info on EUROSIS:

Name:
Address:.....
.....
.....
Telephone.....
Fax.....
Email:

I am interested in becoming a EUROSIS member please send me further info

CONFERENCE LOCATION MUSCAT



Obtaining your VISA at the airport

A VISA at the airport costs 5 OMR for a 10 day visit. See the following website for more information

<http://www.omanairports.com/visaonarrivals.asp>

Recommended Hotel (Special AOU rates are available)

Safer International Hotel

Al Khuwair

P.O.Box 121, 115 Muscat

<http://www.saferhospitality.com.om>

Bookings:

Tel: +968.2460.2355

Fax: +968.246.9363

General Enquiries:

Tel: +968.2469.3609

Fax: +968.2469.3631

Email: sales@saferhospitality.com.om