



AMS 2011

Asia Modelling Symposium Fifth Asia International Conference Mathematical Modelling and Computer Simulation

Kuala Lumpur (Malaysia) 23 May, Manila (Philippines) 26-27

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Computer Society Digital Library, CSDL

[Important Dates](#)

[Call for Papers](#)

[Paper Submission](#)

[IEEE Paper Templates](#)

[Registration](#)

[Manila](#)

[Maps](#)

[Flights, Travel, Hotels](#)

[Social Events](#)

[Prof Roberto Cianci](#)

[CD label](#)

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[Table of Content](#)

[Scheduled Papers](#)

Conference Venue:

[Equatorial Hotel, Kuala Lumpur, Malaysia](#)

[Diamond Hotel, Manila, Philippines](#)

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[Word template \(MS Word .doc format\)](#)

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The 5th Asia Modelling Symposium (AMS2011) aims to provide an outstanding and experience in the mathematical/analytical modelling and computer simulation academics and industrial people worldwide.

AMS2011 will be held over 3 day period with day-1 in Kuala Lumpur (Malay Thursday 26 and Friday 27 May 2011 in Manila, Philippines, known as Pearl of Philippines is composed of more than 7,100 islands in three major areas: Luzon to down south. Its culture has affinities with America and Europe especially Spain and ethnic tradition of the country reflects the diverse indigenous culture from its many

Tracks/Themes

- Intelligent Systems
- Hybrid Intelligent Systems and Hybrid Soft Computing
- Methodologies, Tools and Operations Research
- Bio-informatics and Bio-Medical Simulation
- Discrete Event and Real Time Systems
- Image, Speech and Signal Processing
- Industry, Business and Management
- Human Factors, Social & Economic Sciences
- Engineering: Civil, Mechanical, Chemical, Industrial, Manufacturing and Control
- Energy, Power Generation and Distribution





Keynote & Tutorial Speakers

TBA

Important Dates

Submission of Regular/Short/WIP papers:
30 March 2011

Notification

of accept/reject:
From 10 March 2011

Registration (Payment) & final check on EDAS:

31 March 2011
[Credit Card and Bank Transfer on EDAS](#)

Camera-Ready & copyright form on IEEE server:

31 March 2011

Conference Chairs:

Prof Dr Joel Joseph Marciano Jr
University of Philippines
Prof Jasmy Yunus, UTM

Co-Chairs:

Dr Zuwairie Ibrahim, UTM
Dr Marry Kong, RUPP

Program Chairs:

Prof Dr Rowena Cristina Guevara
University of Philippines
Dr Ismail Saad, UMS
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University of Kingston

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- Transport, Logistics, Harbour, Shipping and Marine Simulation
- Virtual Reality, Visualization and Computer Games
- Parallel and Distributed Architectures and Systems
- Internet Modelling, Semantic Web and Ontologies
- Performance Engineering of Computer & Communication Systems
- Circuits, Sensors and Devices

Paper Submission:

- AMS2011 is using EDAS for submission and registration, authors
- create an account with EDAS by clicking on the link below
 - open the list of conferences managed by EDAS & find AMS2011
 - click on Submit button on the right to enter your paper title & abstract
 - upload file.

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Call for Papers

The Symposium will focus on all aspects of modelling and simulation techniques, intelligent systems in engineering, remote sensing and wireless technologies. Models in control systems, evolutionary algorithms and fuzzy systems are used by designers, implementers and assessment. Modelling and Simulation techniques provide fundamental support at all industry, business, energy, transport and the environment.

Papers are invited in these and other areas:

- Industry, Business and Management
- Algorithms, Methods and their Applications
- Methodologies and Tools
- Energy, Power Generation and Distribution
- Distributed Systems and Networks
- Geographical Information Systems (GIS)
- Environment and Health
- Education and Training
- Bioinformatics
- Remote Sensing applications & technologies
- Robotics, Fuzzy modelling, Control and Automation
- Software Agents and Agent Based Simulation
- Knowledge and Data Mining
- Neural Networks and Evolutionary Computation
- Swarm Intelligence & Technology
- Architectures of Intelligent Systems
- Image, Speech and Signal Processing
- Internet Modelling, Semantic Web and Ontologies

Submission Guidelines

You are invited to submit:

- full paper of 6 pages (A4 format) for oral presentation,
- proposal to organize a technical session and/or workshop.

Submissions must be original, unpublished work containing new and interesting results that are relevant to intelligent systems modelling and simulation and their applications in science, technology, industry and society. [AMS2007](#), [AMS2008](#), [AMS2009](#) and [AMS2010](#), the proceedings of the Conference will be available in the IEEE Xplore Library (CSDL) and I-Xplore. The conference is organised by Asia Modelling and Simulation Society.

- IEEE UK & RI Computer Society and Control Systems Society: <http://ewh.ieee.org>
- UK Simulation Society
- EUROSIM
- European Council for Modelling & Simulation

Submission implies the willingness of at least one of the authors to register and present their paper electronically, - see full instructions under **Paper Submission** above, in PDF or Word form. The conference will have independent referees of the international program committee of AMS2011.

Authors of the best papers will be invited to revise and extend their work for publication in a special issue of *Science and Technology*.

Conference website: <http://ams2011.htm>

IPC

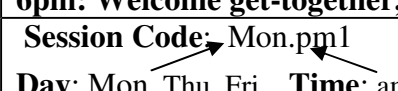
Prof. Dr. Abo Al-Ola Atif
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 Dr Shamin Ahmad, UK
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 Mario Koeppe, Japan

Registration	Author/ Participant
Registration BEFORE deadline of 30 March 2011	\$595
Registration AFTER deadline of 30 March 2011	\$640
Currency converter	

AMS2011, Scheduled Papers: 38 + 3 Keynotes + 1 Tutorial. Latest,

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 If your paper is 'not pink' but you are NOT attending the conference, email david.al-dabass@ams2011.org
 If your paper is marked for the wrong city (**KL** or **Manila**) email david.al-dabass@ams2011.org

AMS2011 Conference Schedule at a Glance	
Day-0: Sunday 22 May 2011	
5pm: Desk opens for early Registration, Equatorial Hotel	
6pm: Welcome get-together, Equatorial Hotel	
Session Code: Mon.pm1 	Paper Code: see following Track: A, B, C . . . —
Day-1, Kuala Lumpur: Monday 23 May 2011 (Keynote Sp)	
Time	(Chair: Al-Dabass) Opening Session in KL. Keynote Speaker-1: Dr Jan
9 – 11	
11 – 11.20	Refreshments
11.20 – 1, 5	Mon.am2 (chair: Zuwairie): A7, C1, C
1 – 1.45	Lunch
1.45– 4, 7	Mon.pm1 (chair: Zulkiflie): F1, F2, F3, C
4 – 4.15	Refreshments
4.15 – 6.35, 7	Mon.pm2 (chair: Shapiai): K1, K3, R3, R
6.35	Closing of Conference in KL and Photo
7.30	Dinner in KL
5pm – 7pm	Manila, Wednesday 25 May, 5pm: Desk opens for early Registration, Diamond Hot
Day-2, Manila: Thursday 26 May 2011 (Keynote S	
Time	(Chair: Al-Dabass) Opening Session in Manila. Keynote
9 – 10.15	
10.15 – 10.35	Refreshments
10.35 – 12.35, 5	Thu.am2 (chair: Joel Joseph Marciano Jr): A
12.35 – 1.35	Lunch

1.35 – 3.35, 6	Thu.pm1 (chair: Rowena Cristina Guevara): D1
3.35 – 3.55	Refreshments
3.55 – 5.35, 5	Thu.pm2 (chair: Luis Alarilla): R1, R
7 - 9	Dinner in Manila
	Day-3, Manila: Friday 27 May 2011 (Keynote Spea
9 – 11	Fri.am1 (Chair: Al-Dabass) Plenary Session. Keynote Speaker-1: Dr Janos J:
11 – 11.20	Refreshments
11.20 – 12.40, 4	Fri.am2 (chair: Louis Alarcon): T1, T
12.40	Closing of Conference and Photo Op
1	Lunch and Depart

Track 01-A Intelligent Systems, 7		
A1	1569424547	<i>Predictive Modeling of Material Properties Using GMDH-Based Abductive Networks</i>
A2	1569429625	<i>Enhanced Nadaraya-Watson Kernel Regression: Surface Approximation for Extremely Small Samples</i> Manila
A3	1569437691	<i>Modeling and Simulation of Influenza with Biological Agent a New Approach for Increasing System Robustness</i>
A4	1569438353	<i>Road Visual Condition Rating Assessment Using Artificial Neural Network and Structured Vector Machine</i> Manila
A5	1569439779	<i>A Signal Denoising Method for Text Meaning Vectors</i> Manila
A6	1569440777	<i>Comparison of Two Cost Functions for Evolutionary Synthesis of Control Law for Higher Periodic Chaotic Logistic Equation</i> Manila
A7	1569443295	<i>Convergence and Diversity Measurement for Vector Evaluated Particle Swarm Optimization Based on ZDT Test Problems</i> KL

Track 02-B Hybrid Intelligent Systems & Hybrid Soft Computing, 2			
B1	1569429617	<i>Survey of Plagiarism Detection Methods</i> Manila	A
B2	1569445829	<i>IGCRGA a Novel Heuristic Approach for Personalisation of Cold Start Problem</i>	M

Track 03-C Methodologies, Tools and Operations Research, 4		
C1	1569424191	<i>Evaluation of Object-Based and Ontology-Based Models in Context-Aware Systems</i> KL
C2	1569430067	<i>Timed Parallel Automaton: a Mathematical Tool for Defining Highly Expressive Formal Workflow</i>
C3	1569432589	<i>Toward High Accuracy Transaction Level Energy Modeling for System-on-Chip Buses</i>
C4	1569446957	<i>Usability Testing Methodology: Effectiveness of Heuristic Evaluation in E-Government Website Development</i> KL

Track 04-D Bio-informatics and Bio-Medical Simulation, 2			
D1	1569438709	<i>A Spatio-Temporal Model for the Population Dynamics of Pyrodinium Bahamense Var. Compressum with a Nutrient Source and Wind Effects</i> Manila	
D2	1569441925	<i>Time Frequency Analysis of Electrooculograph (EOG) Signal of Eye Movement Potentials Based on Wavelet Energy Distribution</i> KL	

06-F Image, Speech and Signal Processing, 3			
F1	1569428885	<i>Image Pixel Comparison Using Block Based Positioning Subtraction Technique for Motion Estim</i> KL	
F2	1569433587	<i>Diagnostic Model of Guttate Lesion Utilizing Gaussian RGB Indices Through ANN</i> KL	
F3	1569443257	<i>Building a Rich Arabic Speech Database</i> KL	

Track 07-G Industry, Business and Management, 1			
G1	1569439031	<i>Malaysian SMEs Perspective on Factors Affecting ERP System Adoption</i> KL	Siti S

09-J Engineering: Civil, Mechanical, Chemical, Industrial, Manufacturing			
J1	1569422513	<i>Simulation of Routing in Nano-manipulation for Creating Pattern with Atomic Force Microscopy Using Genetic Algorithm</i>	
J2	1569436195	<i>Stabilizing a Driven Pendulum Using DLQR Control</i>	
J3	1569437569	<i>Numerical Analysis of Line Contact Elastohydrodynamic Lubrication with Biobased Oils</i> , KL	
J4	1569437627	<i>A Mathematical Model for Optimal Partitions of Warehouse Storage Space Based on Turnover Density</i> KL	
J5	1569441111	<i>A Simulation of a Dispersion Equation in a Bounded Domain</i> Manila	
J6	1569444955	<i>A Change-Point Analysis Algorithm for the Detection of Perturbations in a Continuous Wind Velo Oscillation Feed</i> Manila	

Track 10-K Energy, Power Generation and Distribution, 4		
K1	1569428325	<i>A Model Free Estimation Based Neurocontroller for Synchronous Generator Excitation to Enhance Transient Stability-</i> KL
K2	1569430027	<i>Improving Grid Power Quality with FACTS Device on Integration of Wind Energy System</i>
K3	1569436057	<i>Exergy Analysis of NovelCycles Generating Power Using Fuel Cells</i> KL
K4	1569443261	<i>Multi-objective Transmission Expansion Planning Using an Elitist Non-dominated Genetic Algorithm with Fuzzy Decision Analysis</i> Manila

Track 12-M Virtual Reality, Visualization and Computer Games, 1		
M1	1569435757	<i>Visualizing Work Progress Information of Construction Project by Web and VR Application</i> Manila

13-N Parallel and Distributed Architectures and Systems, 5		
N1	1569429877	<i>A Model to Increase the Trust in Service Oriented Architecture</i>
N2	1569431993	<i>Structural Framing of Protocol for Secure Multiparty Cloud Computation</i> KL
N3	1569438619	<i>Reservoir: an Alternative Loading Balancing Technique for Parallel Ray Tracing</i> Manila
N4	1569443135	<i>Many-core Processor Based High Performance Traffic Multiplier,</i> KL
N5	1569447767	<i>Simulation of Energy-Aware Mobile Agent Based Network Management System</i>

Track 15-R Mobile/Ad hoc wireless networks, mobicast, sensor placement, targ		
R1	1569440889	<i>Amplifying Matrix Design for Distributed SIMO Wireless Relay Networks Under Jamming Environ</i> Manila
R2	1569441445	<i>Effects of Node Geometry on Noncooperative Distributed SIMO Wireless Relay Networks</i> Ma
R3	1569442177	<i>Boundary Node Selection Algorithms by Simple Geometrical Properties in WSNs</i> KL
R4	1569443707	<i>Broadband Jamming and Channel Uncertainty for Noncooperative Wireless Relay Networks Un</i> <i>Received Power Constraint</i> Manila
R5	1569446125	<i>Impact of Variations of Bluetooth Transmitting Power in the Presence of WLAN Interfering Signa</i>
R6	1569447177	<i>Appraisal of Long Term Evolution System with Diversified TCP's</i> KL

Track 16-S Performance Engineering of Computer & Communication Systems, 3		
S1	1569431789	<i>Performance Metrics of Compute Intensive Applications of a Single Processor Computer System</i>
S2	1569432671	<i>Effect of Traffic Interval on Buffering in Go-Back-2 Network in NS2</i> Manila
S3	1569437379	<i>Low Complexity OFDM Modulator and Demodulator Based on Discrete Hartley Transform</i> KL

Track 17-T Circuits, Sensors and Devices, 4		
T1	1569442905	<i>Dual Edge Flip Flop Implementations of the 90Nm Process</i> Manila
T2	1569442927	<i>Logic Style Comparison Using 32-Bit CLA in 90Nm Technology</i> Manila
T3	1569443001	<i>Comparative Analysis of Low Power Multiplier Architectures</i> Manila
T4	1569443007	<i>Comparison of Replica Bitline Technique and Chain Delay Technique as Read Timing Control for Low-Power Asynchronous SRAM</i> Manila

