Program Schedule and Information

WSEAS Conferences 2009
Morgan State University
Baltimore MD, USA (November 7-9, 2009)

- *11th WSEAS Int. Conf. on MATHEMATICAL and COMPUTATIONAL METHODS in SCIENCE and ENGINEERING (MACMESE'09)*
- *8th WSEAS Int. Conf. on DATA NETWORKS, COMMUNICATIONS, COMPUTERS (DNCOCO '09)*
- *2nd WSEAS Int. Conf. on SENSORS and SIGNALS (SENSIG '09)*
- *2nd WSEAS Int. Conf. on VISUALIZATION, IMAGING and SIMULATION (VIS'09)*
- *2nd WSEAS Int. Conf. on NATURAL HAZARDS (NAHA'09)*
- *2nd WSEAS Int. Conf. on CLIMATE CHANGES, GLOBAL WARMING, BIOLOGICAL PROBLEMS (CGB '09)*
- *2nd WSEAS Int. Conf. on URBAN REHABILITATION AND SUSTAINABILITY (URES'09)*
- *2nd WSEAS Int. Conf. on MATERIALS SCIENCE (MATERIALS'09)*

WORLD SCIENTIFIC AND ENGINEERING ACADEMY AND SOCIETY
www.wseas.org
UNIFYING THE SCIENCE

MORGAN STATE UNIVERSITY
www.morgan.edu
SCHOOL OF ENGINEERING
www.soe.morgan.edu

Welcome Message from the General Chair

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November 2, 2009

WSEAS International Conferences-Morgan State University
November 7-9, 2009

Dear Colleagues:

It is my great pleasure to welcome you to attend the World Scientific and Engineering Academy and Society (WSEAS) organized International Conferences being held at the Morgan State University. We are very proud to be sponsoring WSEAS conferences, which have a tradition of promoting and unifying sciences in various disciplines, and allowing exchange of scientific research ideas among researchers and collaborators across the globe.

We hope that you will find your stay in the Baltimore area enjoyable. Morgan State University is designated as Maryland's public urban university serving the global community. It has recently received Carnegie classification of a Doctoral Intensive University. In keeping up with this classification, the university remains to be a key player in promoting cutting-edge research in the STEM (Science, Technology, Engineering, and Mathematics) disciplines at the global front. The WSEAS series of conferences being held at the Morgan State University is very timely in this regard.

Planning and organizing conferences of this nature requires a team effort and therefore I must take the time to thank the following key conference planning members without whom we could not have managed to organize these conferences: Dr. Eugene M. DeLoatch-Dean, School of Engineering (SOE); Mr. Jon Parker-Special Assistant to the Dean, Dr. Carl White-Associate Dean, SOE; Dr. Nathan Richardson, Mr. Albert Sweets and Mr. Herb Stanford-Assistants to the Associate Dean; Dr. Reginald Amory-Chair, Department of Civil Engineering (CE); Ms. Vanessa Branch-Asst. to the CE Department Chair, Drs. Jawad Abdullah, Yohannes Weldegiorgis, Min-Wook Kang, Professor Diane Jones, Mr. Bimal Devkota, and Mr. Gautham Karri-researchers at the Center for Advanced Transportation and Infrastructure Engineering Research (CATIER).

Please do not hesitate to contact me or any of the conference staff should you need any assistance throughout your stay at the Morgan State University and in the Baltimore area. I invite you to spend some time to explore Morgan's beautiful campus, including the new library, student center, and the Fine Arts center.

Very truly yours,

Manoj K. Jha, General Chair
WSEAS-Morgan State University Conferences
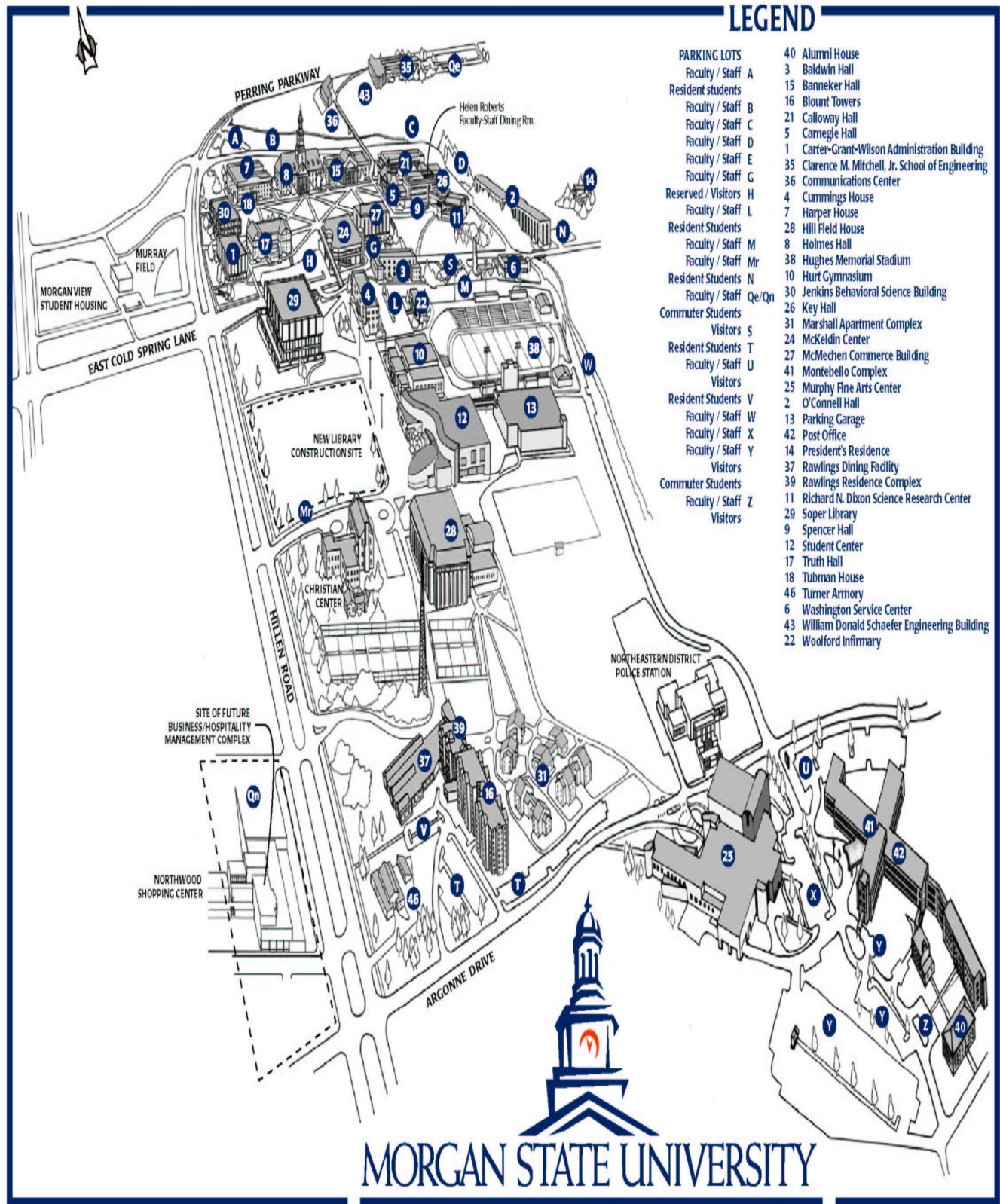November 7-9, 2009

General Information about the Conferences

Location: The conferences will be held at the following locations on the Morgan State University campus:

- Saturday and Sunday (Nov. 7&8, 2009): The entire program will be held in the Communications Center

- Conference Bouquet & Dinner will be held on Sunday Nov. 8 from 6:30 to 9:30 p.m. in the Student Center Ballroom

- Monday (Nov. 9, 2009): The program on Monday will be held in the School of Engineering Auditorium, Schaefer Room 241

The Communications Center is just south of the Schaefer Engineering Building. It is labeled as Building Number 36 on the campus map (see, next page). A convenient city of Baltimore map can be found at : http://maps.baltimorecity.gov/imap/default.aspx. The street address for the Schaefer Engineering Building at the Morgan State University is: 5200 Perring Parkway, Baltimore, MD 21251.

Directions to Campus: Please visit the university website at www.morgan.edu and review the "visit Morgan page" at: http://www.morgan.edu/About_MSU/Visit_Morgan.html. The campus is easily accessible by a taxicab from the Baltimore- Washington International (BWI) Airport and nearby hotels.

LEGEND

PERRING PARKWAY

Helen Roberts
Faculty-Staff Dining Rm.

MURRAY
FIELD

MORGAN VIEW
STUDENT HOUSING

EAST COLD SPRING LANE

NEW LIBRARY
CONSTRUCTION SITE

CHRISTIAN
CENTER

HILLEN ROAD

SITE OF FUTURE
BUSINESS/HOSPITALITY
MANAGEMENT COMPLEX

NORTHWOOD
SHOPPING CENTER

NORTHEASTERN DISTRICT
POLICE STATION

ARGONNE DRIVE

MORGAN STATE UNIVERSITY

PARKING LOTS			
Faculty / Staff	A	40	Alumni House
Resident students		3	Baldwin Hall
Faculty / Staff	B	15	Banneker Hall
Faculty / Staff	C	16	Blount Towers
Faculty / Staff	D	21	Calloway Hall
Faculty / Staff	E	5	Carnegie Hall
Faculty / Staff	G	1	Carter-Grant-Wilson Administration Building
Reserved / Visitors	H	35	Clarence M. Mitchell, Jr. School of Engineering
Faculty / Staff	L	36	Communications Center
Resident Students		4	Cummings House
Faculty / Staff	M	7	Harper House
Faculty / Staff	Mr	28	Hill Field House
Resident Students	N	8	Holmes Hall
Faculty / Staff	Qe/Qn	38	Hughes Memorial Stadium
Commuter Students		10	Hurt Gymnasium
Visitors	S	30	Jenkins Behavioral Science Building
Resident Students	T	26	Key Hall
Faculty / Staff	U	31	Marshall Apartment Complex
Visitors		24	McKeldin Center
Resident Students	V	27	McMechen Commerce Building
Faculty / Staff	W	41	Montebello Complex
Faculty / Staff	X	25	Murphy Fine Arts Center
Faculty / Staff	Y	2	O'Connell Hall
Visitors		13	Parking Garage
Commuter Students		42	Post Office
Faculty / Staff	Z	14	President's Residence
Visitors		37	Rawlings Dining Facility
		39	Rawlings Residence Complex
		11	Richard N. Dixon Science Research Center
		29	Soper Library
		9	Spencer Hall
		12	Student Center
		17	Truth Hall
		18	Tubman House
		46	Turner Armory
		6	Washington Service Center
		43	William Donald Schaefer Engineering Building
		22	Woolford Infirmary

Notes on the Presentation Schedule

There are a total of 157 peer-reviewed full-length technical papers, 23 plenary speeches, and 2 additional invited technical presentations. Twenty one plenary speeches have been scheduled in the morning sessions on all three days. The remaining 2 plenary speeches have been scheduled during Sunday conference dinner and Monday lunch. The 157 technical papers are grouped in the following categories:

Category	*Abbreviation*	*Number of Papers*
MATHEMATICS AND COMPUTERS FOR GLOBAL WARMING, NATURAL HAZARDS, ENVIRONMENT, CLIMATE CHANGE.	MCG	39
MACMESE and CGB: APPLIED MATHEMATICS AND MODELLING FOR ENVIRONMENTAL RESEARCH	MAM	8
CGB: CLIMATE CHANGES, GLOBAL WARMING, BIOLOGICAL PROBLEMS	CGW	5
SIMULATION AND MODELLING FOR ENVIRONMENT, CLIMATE CHANGES, MATERIALS	SME	19
MACMESE: APPLIED MATHEMATICS AND MODELLING	AMM	5
MATERIALS - MACMESE: SIMULATION AND MATERIALS	MSM	9
MACMESE: APPLIED MATHEMATICS AND COMPUTERS IN ELECTRICAL ENGINEERING	AMC	7
URES: REHABILITATION AND SUSTAINABILITY	URS	5
NATURAL HAZARDS, CLIMATE CHANGES, GLOBAL WARMING, & BIOLOGICAL PROBLEMS	NCG	4
DNCOCO: DATA NETWORKS & DATA COMMUNICATIONS	DND	8
VIS: VISUALIZATION and IMAGING	VAI	5
URES: SUSTAINABILITY and REHABILITATION	SAR	4

Category	Abbreviation	Number of Papers
SENSIG and DNCOCO: NETWORKING & COMMUNICATIONS	SNC	5
SENSIG: SENSORS	SGS	5
URES: ADVANCED REHABILITATION, URBAN DEVELOPMENT AND SUSTAINABILITY	ARS	5
DNCOCO: PROTOCOLS, NETWORKING & COMMUNICATIONS	PNC	5
DNCOCO: INFORMATION NETWORKING AND COMMUNICATIONS	INC	7
VIS: VISUALIZATION AND APPLIED IMAGING IN ENGINEERING PROBLEMS	VAM	5
MACMESE: NUMERICAL and APPLIED MATHEMATICS AND THEIR APPLICATIONS	NAM	5
SPECIAL INTERDISCIPLINARY SESSION	SIS	4

Session, Room, and Chair Assignments

Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
1	MCG1	Saturday	1:00-2:45 p.m.	CC 105	Shinya Kikuchi	5
2	MCG2	Saturday	1:00-2:45 p.m.	CC 114	Paul Schonfeld	5
3	MCG3	Saturday	3:00-4:45 p.m.	CC 105	Radu Matei	5
4	MCG4	Saturday	3:00-4:45 p.m.	CC 114	Reginald Amory	5
5	MCG5	Sunday	12:45-2:30 p.m.	CC 105	Bimal Devkota	5
6	MCG6	Sunday	12:45-2:30 p.m.	CC 114	Min-Wook Kang	5
7	MCG7	Sunday	2:45-4:30 p.m.	CC 105	Seong Lee	5
8	MCG8	Sunday	4:40-6: 25 p.m.	CC 105	Yohannes Weldegiorgis	4
9	MAM1	Saturday	1:00-2:45 p.m.	CC 115	Solomon To	5
10	MAM2	Saturday	3:00-4:45 p.m.	CC 115	Jawad Abdullah	3
11	CGW	Saturday	1:00-2:45 p.m.	CC 116	Mihaiela Iliescu	5
12	SME1	Saturday	1:00-2:45 p.m.	CC 117	Jeyasingh Nithianandam	5
13	SME2	Saturday	3:00-4:45 p.m.	CC 116	Yas Alsultanny	5
14	SME3	Sunday	12:45-2:30 p.m.	CC 115	Corey Dickens	5
15	SME4	Sunday	2:45-4:30 p.m.	CC 114	Gui-Rong Liu	4
16	AMM	Saturday	1:00-2:45 p.m.	CC 118	Louis Petingi	5
17	MSM1	Saturday	1:00-2:45 p.m.	CC 119	Chun-Ming Chang	5
18	MSM2	Saturday	3:00-4:45 p.m.	CC 117	J. A. M. Felippe de Souza	4
19	AMC1	Saturday	3:00-4:45 p.m.	CC 118	Liliana Braescu	5
20	AMC2	Saturday	3:00-4:45 p.m.	CC 119	Francklin Rivas-Echeverria	2
21	URS	Sunday	12:45-2:30 p.m.	CC 116	Avijit Maji	5
22	NCG	Sunday	12:45-2:30 p.m.	CC 117	Mansoureh Jeihani	4
23	DND1	Sunday	12:45-2:30 p.m.	CC 118	Sotirios Ziavras	5
24	DND2	Sunday	2:45-4:30 p.m.	CC 115	Hariton Costin	3
25	VAI	Sunday	12:45-2:30 p.m.	CC 119	Hiroshi Dozono	5
26	SAR	Sunday	2:45-4:30 p.m.	CC 116	Manoj Jha	4
27	SNC	Sunday	2:45-4:30 p.m.	CC 117	Zdzislaw Wieckowski	5
28	SGS	Sunday	4:40-6:25 p.m.	CC 114	Massimiliano Ferrara	5
29	ARS	Sunday	2:45-4:30 p.m.	CC 118	Richard Snow	5
30	PNC	Sunday	4:40-6:25 p.m.	CC 115	P.Papantoni - Kazakos	5
31	INC1	Sunday	2:45-4:30 p.m.	CC 119	Mark Burgin	5
32	INC2	Sunday	4:40-6:25 p.m.	CC 116	Robert Johnson	2
33	VAM	Sunday	4:40-6:25 p.m.	CC 117	Tomas Zelinka	5
34	NAM	Sunday	4:40-6:25 p.m.	CC 118	Mihaiela Iliescu	5
35	SIS	Sunday	4:40-6:25 p.m.	CC 119	Reginald Amory	4

Schedule at a Glance

Saturday November 7, 2009

Time	Agenda	Location
7:00-8:00 a.m.	Continental Breakfast	Communications Center (CC) Hallway
7:30 a.m.-5:00 p.m.	Registration	CC Hallway, Buy the Washington, D.C. and Baltimore Inner harbor Tour Tickets, and the Sunday Conference Bouquet Dinner Ticket at the Registration Desk; (Baltimore Tour Ticket-$25, Washington, D.C. Tour Ticket-$50, Conference Bouquet Dinner Ticket-$75), availability is limited
8:00-8:30 a.m.	Welcome from the Conference General Chair, Dr. Manoj K. Jha	CC 101
8:30-9:00 a.m.	Remarks from other Members of the Morgan State University	CC 101
9:00-9:30 a.m.	Plenary Lecture 1 from URES'09 *"Use of Uncertainty in Decision making"* by Prof. Shinya Kikuchi, Virginia Tech., USA	CC 101
9:30-10:00 a.m.	Plenary Lecture 1 from MACMESE'09 *"Exact Responses of Nonlinear Systems under Nonstationary Random Excitations"* by Prof. Prof. C. W. Solomon To, University of Nebraska, USA	CC 101
10:00-10:15 a.m.	Refreshment Break	Refreshments served in the CC Hallway
10:15-10:45 a.m.	Plenary Lecture 2 from MACMESE'09 *"Analytical Synthesis Method - A New Mathematical Design Method for the Analog Circuit Design"* by Prof. Chun-Ming Chang, Chung Yuan Christian University, CHINA.	CC 101
10:45-11:15 a.m.	Plenary Lecture 3 from MACMESE'09 *"On the Problem of Packing Trees in Graphs"* by Prof. Louis Petingi, City University of New York, USA.	CC 101
11:15-11:45 a.m.	Plenary Lecture 4 from MACMESE'09 *"Nonlinear Boundary Value Problem of the Meniscus for the Capillarity Problems in Crystal Growth Processes"* by Assoc. Prof. Liliana Braescu, West University of Timisoara, ROMANIA.	CC 101
11:45-1:00 p.m.	Lunch	CC Hallway
1:00 p.m.-2:45 p.m.	Individual paper sessions	CC 105, 114, 115, 116, 117, 118, 119
2:45 p.m.-3:00 p.m.	Refreshment Break	Refreshments served in the CC Hallway
3-4:45p.m.	Individual paper sessions	CC 105, 114, 115, 116, 117, 118, 119
5-8 p.m.	Baltimore Inner Harbor Tour	Buses Loading at the CC Front Gate, Ticket Required

Sunday November 8, 2009

Time	Agenda	Location
7:00-8:00 a.m.	Continental Breakfast	Communications Center (CC) Hallway
7:30 a.m.-5:00 p.m.	Registration	CC Hallway
8:00-8:30 a.m.	Plenary Lecture 5 from MACMESE'09 "*Application of the Self Organizing Maps to Biometric Authentication using Behavior Characteristics*" by Assoc. Prof. Hiroshi Dozono, Saga University, JAPAN	CC 101
8:30-9:00 a.m.	Plenary Lecture 6 from MACMESE'09 "*A Weakened Weak (W2) Formulation for Certified Solutions with Bounds, Real-Time Computation and Inverse Analysis of Biomechanics Problems*" by Prof. Gui-Rong Liu, National University of Singapore, SINGAPORE	
9:00-9:30 a.m.	Plenary Lecture 7 from MACMESE'09 "*Is Ethnic Counting, a Primitive Mathematical Method, a Major Fundamental in Babylonian Culture, and how does Primitive, Now Children's Counting Habits, Reflect in Contemporary Societies?*" by Mr. Anker Fjeld Simonsen, SWEDEN	
9:30-10:00 a.m.	Plenary Lecture 8 from MACMESE'09 "*The Material Point Method in Large Strain Problems*" by Prof. Zdzislaw Wieckowski, Technical University of Lodz, POLAND	
10:00-10:15 a.m.	Refreshment Break	Refreshments served in the CC Hallway
10:15-10:45 a.m.	Plenary Lecture 9 from MACMESE'09 "*Economic Development and Sustainability: New Models and Perspectives*" by Prof. Massimiliano Ferrara, University Mediterranea of Reggio Calabria, ITALY	
10:45-11:15 a.m.	Plenary Lecture 10 from MACMESE'09 "*Applied Engineering on Biosystems*" by Prof. J. A. M. Felippe de Souza, UBI - University Beira Interior, PORTUGAL	
11:15-11:45 a.m.	Plenary Lecture 1 from DNCOCO'09 "*Adaptive Approach to Management of the Multi-path Wireless Solutions*" by Prof. Tomas Zelinka, Czech Technical University in Prague, CZECH REPUBLIC	
11:45-12:45 p.m.	Lunch	CC Hallway
12:45-2:30 p.m.	Individual Paper Sessions	CC 105, 114, 115, 116, 117, 118, 119
2:30-2:45 p.m.	Refreshment Break	Refreshments served in the CC Hallway

2:45-4:30 p.m.	Individual Paper Sessions	CC 105, 114, 115, 116, 117, 118, 119
4:40-6:25 p.m.	Individual Paper Sessions	CC 105, 114, 115, 116, 117, 118, 119
6:30-9:30 p.m.	Conference Bouquet & Dinner; Invited Speech "*Preventing another identical/similar/very similar 9/11 by using 2nd (Heavenly) opinion from satellites*" by Dr. Saurabh Kwatra, Head-Revolutionary Designs	Student Center Ballroom, Ticket Required
11:00-6:00 p.m.	Washington, D.C. Tour	Buses Loading at the CC Front Gate, Ticket Required

Monday November 9, 2009

Time	Agenda	Location
7:00-8:00 a.m.	Continental Breakfast	School of Engineering (SOE)-Schaefer Engineering Building Hallway
8:00-8:30 a.m.	Plenary Lecture 2 from DNCOCO'09 "*Design Framework for Heterogeneous Chip Multiprocessing Targeting Dynamic Reconfiguration*" by Prof. Sotirios G. Ziavras, New Jersey Institute of Technology, USA	SOE Auditorium Room 241
8:30-9:00 a.m.	Plenary Lecture 3 from DNCOCO'09 "*Mathematical Theory of Information Technology*" by Prof. Mark Burgin, UCLA, USA	SOE Auditorium Room 241
9:00-9:30 a.m.	Plenary Lecture 4 from DNCOCO'09 "*Using Some Web Content Mining Techniques to Extract Arabic Text from the Web Documents*" by Prof. Zakaria Suliman Zubi, Al-Tahadi University, Libya	SOE Auditorium Room 241
9:30-10:00 a.m.	Plenary Lecture 1 from SENSIG'09 "*Traffic Monitoring and Rate Allocation in Sensor Networks*" by Prof. Titsa Papantoni-Kazakos, University of Colorado, USA	SOE Auditorium Room 241
10:00-10:15 a.m.	Refreshment Break	School of Engineering (SOE)-Schaefer Engineering Building Hallway
10:15-10:45 a.m.	Plenary Lecture 2 from SENSIG'09 "*Methodological Approach for Virtual Sensors design using Artificial Neural Networks*" by Prof. Francklin Rivas-Echeverria, Universidad de Los Andes, VENEZUELA	SOE Auditorium Room 241
10:45-11:15 a.m.	Plenary Lecture 1 from VIS'09 "*Z Print Rapid Prototyping Technique and ANSYS Simulation – Major Tools in New Product Design*" by Assoc. Prof. Mihaiela Iliescu, "POLITEHNICA" University of Bucharest, ROMANIA	SOE Auditorium Room 241
11:15-11:45 a.m.	Plenary Lecture 2 from VIS'09 "*Biomedical Image Processing and Analysis by Using Artificial Intelligence and Information Fusion*" by Prof. Hariton Costin, The "Gr.T. Popa" University of Medicine and Pharmacy, IASI, ROMANIA	SOE Auditorium Room 241
11:45-12:15 p.m.	Plenary Lecture 1 from CGB'09 "*Climate Change Curricula and the Challenge for Educators*" by Assoc. Prof. Richard Snow, Embry-Riddle Aeronautical	SOE Auditorium Room 241

	University, USA	
12:15-1:30 p.m.	Lunch, Luncheon Invited Speaker Dr. Saurabh Kwatra, Head Revolutionary Designs. Speech Title "Co-design of intersections and vehicles; Pairing-Vehicle Technology to exploit urban traffic congestion'	SOE Auditorium Room 241
1:30-2:00 p.m.	Plenary Lecture 3 from VIS'09 "*Scientific Visualization for 3-Dimensional Geometric Design of Highways*" by Assoc. Prof. Manoj K. Jha, Morgan State University, USA	SOE Auditorium Room 241
2:00-2:15 p.m.	Concluding Remarks by Conference Chair Prof. Manoj K. Jha Conference Adjournment	SOE Auditorium Room 241
11:00-6:00 p.m.	Washington, D.C. Tour	Buses loading at the SOE Front of Mitchell Building

Detailed Conference Program

Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
1	MCG1	Saturday	1:00-2:45 p.m.	CC 105	Shinya Kikuchi	5
Climate Change Influence On Diatoms Bio-Diversity in Lake Prespa				Andreja Naumoski, Kosta Mitreski		639-108
Domain Decomposition Techniques in Coupled Engineering Problems				Ion Carstea, Daniela Carstea		639-109
Comparison between the Segmentation of the Three Bands of the RGB Images Applied on City Map				Yas A. Alsultanny		639-115
Decision Support System Extraction				Jelenka Savkovic-Stevanovic		639-126
Control of Binary Distillation Column Using Fuzzy PI Controllers				Shahram Javadi, Jabber Hosseini		639-127
Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
2	MCG2	Saturday	1:00-2:45 p.m.	CC 114	Paul Schonfeld	5
Speech Disorder Malay Speech Recognition System				S. A. R. Al-Haddad		639-138
Distributed Algorithms for Power Saving Optimization in Sensor Network				Samaneh Ghani, Morteza Mousavi, Ali Movaghar		639-168
Fatigue Feature Clustering Algorithm Using the Morlet Wavelet				T. E. Putra, S. Abdullah, M. Z. Nuawi		639-171
A General Fourth-Order Family of Methods for Solving Nonlinear Equations				Jafar Biazar, Behzad Ghanbari		639-175
Secure Distribution of Confidential Information via Self-Destructing Data				Jason Croft, Robert Signorile		639-176
Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
3	MCG3	Saturday	3:00-4:45 p.m.	CC 105	Radu Matei	5
Gait Identification Using Cumulants of Accelerometer Data				Sebastijan Sprager, Damjan Zazula		639-177
The Impact of Modernization on Traditional Iranian Cities - The Case of Kerman				Azadeh Arjomand Kermani, Eric Luiten		639-179
A Data Acquisition System for the Laguna Verde Nuclear Power Plant				Ilse Leal Aulenbacher, Jose Maria Suarez Jurado		639-183
Grid Automata as a Tool for Network Design				Mark Burgin		639-187
Dynamic Scalable Model for Video Conferencing (DSMVC) using Request Routing				Adeel Anwar Abbasi, Tahir Mehmood		639-191
Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
4	MCG4	Saturday	3:00-4:45 p.m.	CC 114	Reginald Amory	5
Finite-Difference Solutions of a Non-Linear Schrodinger				F. Hosseini, V. Pouyafar, S. A. Sadough		639-203
Analyzing Performance of Web-Based Metrics for Evaluating Reliability and Maintainability of Hyperdocuments				Sanjeev Dhawan, Rakesh Kumar		639-207

Optimization of Software Testing Using Genetic Algorithms				Sanjeev Dhawan, Kulvinder S. Handa, Rakesh Kumar		639-208
Software Testing: Perception on Exploration and Ad-Libbing				Sanjeev Dhawan, Kulvinder S. Handa, Rakesh Kumar		639-209
Benchmarking: An Interactive Tool for Vectorization of Raster Images				Sanjeev Dhawan, Rakesh Kumar		639-211

Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
5	MCG5	Sunday	12:45-2:30 p.m.	CC 105	Bimal Devkota	5
Stereo Vision Image Processing Strategy for Moving Object Detecting				Shiuh-Jer Huang, Fu-Ren Ying		639-212
The Role of Softswitch in NGN Network				Arianit Maraj, Skender Rugova		639-220
Comparison of the Techniques used for Segmentation of EMG Signals				Gurmanik Kaur, Ajat Shatru Arora, V. K. Jain		639-222
Sensing Groundwater in the Desert by Ground Penetrating Rradar				Said I. Elkhetali		639-223
Analog Filter Design by Genetic Algorithms				Said I. Elkhetali, Ibrahim Y. Aldabiski		639-225

Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
6	MCG6	Sunday	12:45-2:30 p.m.	CC 114	Min-Wook Kang	5
Preparation of High Performance Room Temperature VOC Gas Sensors				Brian Yuliarto, Nugraha, Haoshen Zhou		639-231
The Monitoring of the Technological Equipments by the Technological Process Specific Parameters				Adrian Leopa, Silviu Nastac		639-236
Iterative Imposing Near Wall Logarithmic Velocity Profile in Turbulent Flow Pressure Modeling over Cylindrical for Unstructured Triangular Meshes				Fatemeh Namazi-Saleh, Saeed-Reza Sabbagh-Yazdi		639-242
Image Hybrid Coding				Abdalla Radwan, Abdulhakem Abuzahu		639-246
Saturation Flow at Traffic Signal Using TRANSYT: A Case Study in Johor Bahru, Malaysia				Arash Moradkhani Roshandeh		639-252

Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
7	MCG7	Sunday	2:45-4:30 p.m.	CC 105	Seong Lee	5
Macroscopic Determination of Speed and Flow Using Moving Car Observer Method in Johor Bahru, Malaysia				Arash Moradkhani Roshandeh		639-253
Context Aware Approach for Smart Homes				Ms. V. Kavitha M. E.		639-258
Performance Analysis of Non Linear Filtering Algorithms for Underwater Images				G. Padmavathi, P. Subashini, M. Muthukumar		639-260
A Simulation Software for the Sky-Scanner System				Mario Salerno, Giovanni Costantini, Massimo Carota, Daniele Casali		639-262
Design and Characteristics of Digital Locked Loops				Jiri Sebesta		639-264

Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
8	MCG8	Sunday	4:40-6: 25 p.m.	CC 105	Yohannes Weldegiorgis	4
Performance Evaluation of the Various Edge Detectors and Filters for the Noisy IR Images				G. Padmavathi, P. Subashini, P. K. Lavanya		639-273
Face Recognition using Principle Component Analysis, Eigenface and Neural Network				Mayank Agarwal, Nikunj Jain, Manish Kumar, Himanshu Agrawal		639-275
Analytic Design Method and Applications of Two-Directional Wedge-Type Filters				Radu Matei		639-279
A New Design Approach for Recursive Diamond-Shaped Filters				Radu Matei		639-281
Session Number	Session Name	Day	Time	Location	Chair	Number of Papers
9	MAM1	Saturday	1:00-2:45 p.m.	CC 115	Solomon To	5
A Study of the Relation between Distance and Attendance of Professional Development				Lung-Hsing Kuo, Li-Min Chen, Hung-Jen Yang		639-255
Global Diversification, Hedging Diversification, and Default Risk in Bank Equity: An Option-Pricing Model				Jyh-Horng Lin, Jyh-Jiuan Lin, Rosemary Jou		639-245
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Impact on the Environmental Factors of the Landslides in the Sub-Carpathians of Ialomita River, Romania				Ovidiu-Marcel Murarescu, Gica Pehoiu		639-267
Climate Change Impact on Environment and Health of the Population in Dambovita County, Romania				Gica Pehoiu, Ovidiu Murarescu		639-266
Hornbeam Trees Phenological Characteristics of Mountain Forest by using Ground Observation and Satellite Data in Iran				Sasan Babaei Kafaki, Asadollahe Mataji, Seyed Armin Hashemi		639-280
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total quality management implementation in emergency services				Dr Rajesh Kumar Jain, Vinaytosh Mishra		639-206
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Message from Our Sponsor

07 November 2009

Dear Conference Participants,

On behalf of Innovative STEM Solutions, LLC (iSTEMS), it is my pleasure to welcome you to the World Scientific and Engineering Academy and Society (WSEAS) International Conference held on the campus of Morgan State University.

Innovative STEM Solutions is committed to ensure the viability of the STEM pipeline by encouraging students to pursue opportunities in science, technology, engineering and mathematics (STEM). Also, we manage collaboration between academic institutions, government and private industry that promote STEM activities, projects and research that are an essential benefit to all of mankind.

Personally, I want to thank all presenters for the relevant contributions to their respective fields of study. Please continue to share your ideas and information throughout the world.

Have a wonderful conference and enjoy the local activities within the Baltimore/Washington Area.

Sincerely Yours,

Albert E. Sweets Jr.

Albert E. Sweets Jr.
President & CEO

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