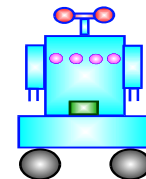
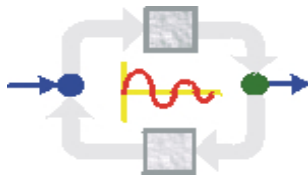
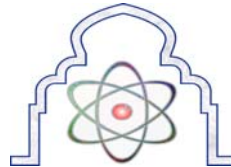


The international Congress for Global Science & Technology



www.icgst.com

ACSE, AIML, and ARAS conference program

Monday 19 December 2005

Time	Occasion
09:00 ↔ 09:30	Registration
09.30 ↔ 10:00	Opening ceremony
10:00↔ 11:00	Plenary talk
11:00↔ 12:20	Session 1 (Track C)
12:20↔ 01:20	Lunch break
01:20↔ 03:20	Session 2 (track C)
03:20↔ 03:40	Coffee break
03:40↔ 05:20	Session 3 (track B, C)

Tuesday 20 December 2005

Time	Occasion
09:00 ↔ 10:00	Plenary talk
10:00↔ 10:20	Coffee break
10:20↔ 12:20	Session 1 (Track C)
12:20↔ 01:20	Lunch break
01:20↔ 03:20	Session 2 (track C)
03:20↔ 03:40	Coffee break
03:40↔ 05:20	Session 3 (track B, C)

Dinner banquet (The pharaohs cruising restaurant) for full registered participants

Wednesday 21 December 2005

Time	Occasion
09:00 ↔ 10:00	Plenary talk
10:00↔ 10:20	Coffee break
10:20↔ 12:20	Session 1 (Track C)
12:20↔ 01:20	Lunch break
01:20↔ 03:20	Session 2 (track C)
03:20↔ 03:40	Coffee break
03:40↔ 05:20	Session 3 (track B, C)

Monday 19 December 2005

Time	Subject	
09:00 ↔ 09:30	Registration	
09.30 ↔ 10:00	Opening ceremony	
10:00↔ 11:00 Plenary talk	Title: "Challenges and new perspectives in the control of biomedical systems" By: Prof. Dr. Urszula Ledzewicz Dept. of Mathematics and Statistics, Southern Illinois University at Edwardsville, Edwardsville, Illinois, 62025 USA	
11:00↔ 12:20 Session 1 (Track C) Optimal Control Techniques Supervised by Prof. Dr. Urszula Ledzewicz Dr. Hesham El_Mahdy ACSE-05	11:00↔ 11:20	PID: P1110511001 Title: Robust Fault Detection Based-On $H_2 - H_\infty$ Control for Discrete-Time Linear Systems Authors: Addison Ríos-Bolívar, and Germain Garcia
	11:20↔ 11:40	PID: P1110520102 Title: Multivariable Anti-Windup Controller Design using H_2/H_1 Multiobjectives Authors: Addison Ríos-Bolívar, and Solben Godoy
	11:40↔ 12:00	PID: P1110524104 Title: Stabilization of Nonlinear Lipschitz systems: an H_∞ approach Authors: Horacio Marquez, Qing Zhao, and Amr Pertew
	12:00↔ 12:20	PID: P1110527103 Title: Near-Optimal Robust Controller for Two-Time-Scale Discrete Interval Systems Authors: P. J. Deore and B. M. Patre
12:20↔ 01:20	Lunch break	
01:20↔ 03:20 Session 2 Robotics & Autonomous Systems Supervised by Prof. Dr. Nelly Khouzam Dr. Emad El-Sebkhy ARAS-05 (track C)	01:20↔ 01:40	PID: P1130533103 Title: Microrobot station for automatic cell handling Authors: S. Garnica, T. Sievers, S. Tautz, T. Trüper, and S. Fatikow
	01:40↔ 02:00	PID: P1130533113 Title: A 3D Shape Representation and Matching Approach for Robotic Vision Authors: Yasser Ebrahim, Wegdan Abdelsalam, Maher Ahmed, and Siu-Cheung Chau
	02:00↔ 02:20	PID: P1130533112 Title: Using Image Moments for Tracking Rotating Objects Authors: Payman Haqiqat
	02:20↔ 02:40	PID: P1130533108 Title: A moving object and obstacle detection system in real-time AVG and AMR applications Authors: P. Foggia , A. Limongiello, and M. Vento
	02:40↔ 03:00	PID: P1130533121 Title: Neuro-based Learning of Mobile Robots with Evolutionary Path Planning Authors: Sherin M. Youssef
	03:00↔ 03:20	PID: P1130533109 Title: Managing Resources for Better Behaved Robots Authors: R. Kennelly, F. Morgan, and M. Glavin
03:20↔ 03:40	Coffee break	

03:40↔ 05:20 Session 3 Learning & optimizing techniques (track B) AIML-05 Supervised by Prof. Dr. Nelly Khouzam Dr. Emad El-Sebkhy	03:40↔ 04:00	PID: P1120535123 Title: Active Learning with Scarcely Labeled Data via Bias Variance Reduction Authors: Minoo Aminian
	04:00↔ 04:20	PID: P1120535138 Title: Reinforcement Learning Based on Actions and Opposite Actions Authors: Hamid R. Tizhoosh
	04:20↔ 04:40	PID: P1120535144 Title: Comparing EEG Patterns of Actual and Imaginary Wrist Movements - A Machine Learning Approach Authors: H. Lakany, and B. A. Conway
	04:40↔ 05:00	PID: P1120535124 Title: Homogeneous Particle Swarm Optimizer for Multi-objective Optimization Problem Authors: Seok K. Hwang, Kyungmo Koo, and Jin S. Lee
	05:00↔ 05:20	PID: P1120535126 Title: Multiscale Searching In Particle Swarm Optimizer for Multimodal Function Optimization Authors: Xiaohui. Yuan, Yi. Zhong, and Jing. Peng,
03:40↔ 05:20 Session 3 (track C) Specific Applications Supervised by Prof. Dr. Urszula Ledzewicz Dr. Hesham El_Mahdy ACSE-05	03:40↔ 04:00	PID: P1110527102 Title: Hybrid Position/Force-Control for Implementing Skill Primitives Authors: T. Reisinger
	04:00↔ 04:20	PID: P1110527104 Title: Proportional-Integral-Plus control of a class of nonlinear systems using exact and partial linearisation by feedback Authors: E. M. Shaban and C. J. Taylor
	04:20↔ 04:40	PID: P1110524105 Title: fault-tolerant kinematic controller design for underactuated robot manipulators Authors: Ibrahim Abd-Elsalam, Wafaa el-Haweet, and Amr Pertew
	04:40↔ 05:00	PID: P1110524106 Title: A Two-Degrees-of-Freedom Design Methodology for Interval Process Plants Authors: B. M. Patre, and P. J. Deore
	05:00↔ 05:20	PID: P1110526103 Title: Wafer Positioning Control of Clean Tube System Authors: D. H. Shin, H. G. Lee, and H. S. Kim

Tuesday 20 December 2005

Time	Occasion	
09:00 ↔ 10:00 Plenary talk	Title: "From Images to Models and Hypothesis Testing – Examples of the State-of-the-Art in Multimodality Medical Imaging Analysis" By: Prof. Dr. Aly Farag Head of CIVP Lab., University of Louisville, Louisville, Kentucky, USA	
10:00 ↔ 10:20	Coffee break	
10:20 ↔ 12:20 Session 1 (Track C) Classification & Analysis Techniques Supervised by Prof. Dr. Nelly Khouzam Dr. Ashraf Nasr AIML-05	10:20 ↔ 10:40	PID: P1120535131 Title: Analysis of Support Vector Machine Training Costs for Large and Unbalanced Data from Pharmaceutical Industry Authors: T. Eitrich, and B. Lang
	10:40 ↔ 11:00	PID: P1130533116 Title: IVIS-PRM: An Improved Visibility-Based Probabilistic Roadmap for Fast Path Planning Authors: Leena Lulu and Ashraf Elnagar
	11:00 ↔ 11:20	PID: P1120535143 Title: Fuzzy Logic Technique for RF Based Localisation System in Built Environment Authors: A. Al-Jumaily, B. Ramadanny, and G. Dissanayake
	11:20 ↔ 11:40	PID: P1120535113 Title: Exact Logical Classification Rules with Gene Expression Programming; Microarray Case Study Authors: M. H. Marghny and I. E. El-Semman
	11:40 ↔ 12:00	PID: P1120535114 Title: Exact Fuzzy Classification Rules with Gene Expression Programming Authors: M. H. Marghny and I. E. El-Semman
	12:00 ↔ 12:20	PID: P1120535125 Title: Using classification for Managing Complexity of User Models in Location-Aware Applications Authors: W. Abdelsalam, Y. Ebrahim, S.C. Chau, and M. Ahmed
12:20 ↔ 01:20	Lunch break	
01:20 ↔ 03:20 Session 2 (track C) Iterative Techniques Supervised by Dr. Ashraf Elnagar Dr. Ashraf Nasr ACSE-05	01:20 ↔ 01:40	PID: P1110523133 Title: Optimal Control for a System Modelling Tumor Anti Angiogenesis Authors: U. Ledzewicz, and H. Schättler
	01:40 ↔ 02:00	PID: P1110523116 Title: NONLINEAR IDENTIFICATION OF UNMANNED AIRCRAFT VEHICLE Authors: S. A. Salman and A. G. Sreenatha
	02:00 ↔ 02:20	PID: P1110527101 Title: Robust Pole Assignment using Coefficient Diagram Method Authors: Öcal, Ö., Söylemez, M. T., and Bir, A.
	02:20 ↔ 02:40	PID: P1110524123 Title: Iterative Method for General Algebraic Riccati Equation Authors: L. Cherfi and H. Abou-Kandil and H. Bourles
	02:40 ↔ 03:00	PID: P1110523107 Title: Analysis of Selected Static Non-Linearities for Wiener Model by Means of Non-parametric Method of Template Identification Nets Authors: Jacek Wesolowski
	03:00 ↔ 03:20	PID: P1110524124 Title: Design of first order stable controller to achieve defined characteristics Authors: Alireza Doodman Tipi and Ali Khaki Seddigh, and Hassan Mohammadi Abdar
03:20 ↔ 03:40	Coffee break	

03:40↔ 05:20 Session 3 (track B) Robotics Intelligent Control Supervised by Prof. Dr. Nelly Khouzam Dr. Ashraf Nasr ARAS-05 ACSE-05	03:40↔ 04:00 ARAS-05	PID: P1130533111 Title: Behavior based Mobile Robot Navigation by AI Techniques: Behavior selection and resolving behavior conflicts using α – level Fuzzy Inference System Authors: S.Parasuraman, V.Ganapathy, and Bijan Shirinzadeh1
	04:00↔ 04:20 ARAS-05	PID: P1130533114 Title: RRT-Based Multiple Evaders Detection Algorithm Authors: Ashraf Elnagar and Amna AlDahak
	04:20↔ 04:40 ARAS-05	PID: P1130533107 Title: AN AGENT-BASED ARCHITECTURE FOR A MULTI-ROBOT SYSTEM Authors: Ali Tehrani, Barm Gruneir, Ben Miners, Alaa Khamis, Howard Li, Mohammed El-Abd, Insop Song, Mohammed Kamel, Otman Basir, and Fakhreddine Karray
	04:40↔ 05:00 ACSE-05	PID: P1110524109 Title: A Laser Vision Sensor System for Tracking the I-Butt Weld Joints Authors: Jae-Woong Kim, Hee-Soo Bae, Seung-Whan Jang
	05:00↔ 05:20 ACSE-05	PID: P1110523120 Title: Predictive functional control of a PUMA robot Authors: A. Vivas, V. Mosquera, and J. Flrez
03:40↔ 05:20 Session 3 (track C) Parametric Control Prof. Dr. Urszula Ledzewicz Dr. Hesham El_Mahdy ACSE-05	03:40↔ 04:00	PID: P1110523123 Title: Time and Frequency Domain Pole Placement in Parametric Iterative Learning Control Authors: H. Rockel and U. Konigorski,
	04:00↔ 04:20	PID: P1110524101 Title: Nonlinear Pitch Autopilot Design with Local Linear System Analysis Authors: D. Choe, Y. Lee, and S. Cho
	04:20↔ 04:40	PID: P1110523106 Title: Adoptive Prediction of Non-stationary Signals Using Wavelet Networks Authors: A. Khajeh-Zadeh, and M. Rashidi-Nejad, and H. Farahmand and M. Shojaee
	04:40↔ 05:00	PID: P1110524108 Title: Decoupled Temperature Control System Based on PID Neural Network Authors: Huailin Shu, and Youguo Pi
	05:00↔ 05:20	PID: P1110523117 Title: Satellite Attitude Determination Utilizing Measurement Sensor Data and Kalman Filtering Authors: Malak A. Samaan, and Mohammad Abdelrahman

Poster session for AIML-05, ACSE-05 and ARAS-05 conferences

03:40↔ 05:20 Poster Session 3 (track A) ACSE-05 19-12-2005	Supervised by Prof. Dr. Huailin Shu Dr. D. Choe Dr. Ashraf Elnagar	PID: P1110523121 Title: Multi-Input Multi-Output Fuzzy Model Reference Learning Controller (MIMOFMRLC) for a Multivariable Nonlinear Servomechanisms of a Free Gyro Stabilized Mirror System Authors: Gamal A. Elnashar
		PID: P1110504001 Title: Simple Tuning Rules of PID Controllers for Integrator/Dead Time Processes Authors: Alenany, O. Abdelrahman, and I. Ziedan
		PID: P1110523118 Title: NEW ALGORITHM FOR GYROLESS SPACECRAFT ANGULAR RATE ESTIMATION AND ITS APPLICATION Authors: Mohammad Abdelrahman, and Malak A. Samaan
		PID: P1110523109 Title: Topological Aspect of Non-parametric Template Identification Nets Method Authors: Jacek Wesolowski

03:40↔ 05:20 Poster Session 3 (track A) AIML-05 20-12-2005	Supervised by Dr. Ahmed Al-Ani	PID: P1120535119 Title: Fast Algorithm for Mining Association Rules Authors: M. H. Marghny, and A. A. Mitwaly
		PID: P1120535136 Title: WEB MINING BASED ON GENETIC ALGORITHM Authors: M. H. Marghny , A. F. Ali, and S. T. Farweez
		PID: P1120542101 Title: CRITICAL CONSIDERATIONS IN COMPUTER NETWORK SECURITY Authors: Miladin Dabić

03:40↔ 05:20 Poster Session 3 (track A) ARAS-05 20-12-2005	Supervised by Dr. Ahmed Al-Ani	PID: P1130533120 Title: Behavior based Mobile Robot Navigation Technique using AI System: Experimental Investigations Authors: S.Parasuraman, V.Ganapathy, and Bijan Shirinzadeh1
		PID: P1120535137 Title: Fuzzy Sarsa: An approach to Linear Function approximation in Reinforcement Learning Authors: L. Tokarchuk, J. Bigham, and L. Cuthbert

Wednesday 21 December 2005

Time	Occasion	
09:00 ↔ 10:00	Title: "Recent Trends of AI Techniques in ICGST" By: Dr. rer. nat. Ashraf Aboshosha NCRRT, AEA, Cairo, Egypt	
10:00 ↔ 10:20	Coffee break	
10:20 ↔ 12:20 Session 1 (Track C) Analytical Control Techniques Supervised by Prof. Dr. Nelly Khouzamz Dr. Hesham El_Mahdy ACSE-05	10:20 ↔ 10:40	PID: P1110523111 Title: Sensitivity Analysis for Stochastic Activity Networks Authors: Michael C. Fu
	10:40 ↔ 11:00	PID: P1110524110 Title: Compensation of Robot Off-Line Programming Using Image Based Visual Servoing Method with Virtual Stereo Camera Data Authors: Jin-Dae Kim, Ho Suk Shim, Chan-Bai Shin, and Jeh-Won Lee
	11:00 ↔ 11:20	PID: P1110524102 Title: DESIGN OF MULTIVARIABLE BACKSTEPPING CONTROLLER USING GENETIC ALGORITHM Authors: Ahmed BELHANI, Khaled BELARBI, and Fateh MEHAZEM
	11:20 ↔ 11:40	PID: P1110523119 Title: Linear Dynamic Systems with Static Actuator Nonlinearities Identification for Control Authors: E. Petlenkov, and E. Rustern
	11:40 ↔ 12:00	PID: P1110519003 Title: Scheduling Diagnosability of Flexible Manufacturing System Authors: Călin Ciufudean, Camelia Petrescu, and Daniel Popescu
	12:00 ↔ 12:20	PID: P1110528101 Title: A Rectangular Current-Fed Brushless D.C. Motor with Phase and Width Control of Conduction Signals Authors: Carmen Cojocaru-Filipiuc, C.G. Haba, A. Crețu
12:20 ↔ 01:20	Lunch break	
01:20 ↔ 03:20 Session 2 (track C) Intelligent Optimizing Techniques Supervised by Dr. Ashraf Elnagar Dr. Emad El_sbkhy AIML-05	01:20 ↔ 01:40	PID: P1120535116 Title: Building a Hierarchical Network of Perceptrons with a PAC-Bayes Bound Authors: M. T. Elliott
	01:40 ↔ 02:00	PID: P1120535142 Title: The Ant Colony Algorithms for Rule Induction Authors: Janina Anna Jakubczyc
	02:00 ↔ 02:20	PID: P1120535141 Title: An Ant Colony Optimization Based Approach for Feature Selection Authors: Ahmed Al-Ani
	02:20 ↔ 02:40	PID: P1120535134 Title: An Expert System for Epilepsy with Uncertainty Authors: Emmanuil Marakakis, Kostas Vassilakis, Emmanuil Kalivianakis, and Sifis Micheloyiannis
	02:40 ↔ 03:00	PID: P1120535111 Title: Integrating the CLIPS Rule Engine with Protégé Authors: Krishnakumar Pooloth, and Raoul Jetley
	03:00 ↔ 03:20	PID: P1120535117 Title: A learner evaluation method in educational hypermedia Authors: Amar Balla
03:20 ↔ 03:40	Coffee break	

03:40↔ 05:20 Session 3 (track B) Model based Control Supervised by Prof. Dr. Jae- Woong Kim Dr. Hesham El_Mahdy ACSE-05	03:40↔ 04:00	PID: P1110524125 Title: Controller Stability in Closed Loop Systems Authors: Alireza Doodman Tipi, Ali Khaki Seddigh, and Hassan Mohammadi Abdar
	04:00↔ 04:20	PID: P1110524120 Title: From UML activity diagrams to Object Petri Nets Authors: T. Bouabana-Tebibel, and M. Belmesk
	04:20↔ 04:40	PID: P1110535101 Title: Vehicle Active Suspension Control, Using A Variable Structure Model Reference Adaptive Controller Authors: Ardeshir Karami mohammadi
	04:40↔ 05:00	PID: P1110523105 Title: The Speed Control System Of The DC Motor With Passive Adaptive Controller And Torque Estimator Authors: V. Bahrin, and C.G. Haba
	05:00↔ 05:20	PID: P1110523122 Title: INTERNAL MODEL CONTROL OF UNCERTAIN SYSTEMS: AN IMPROVED APPROACH Authors: S. B. Alabi, and O. Taiwo
03:40↔ 05:20 Session 3 (track C) AI Specific Applications Prof. Dr. Jeh- Won Lee Dr. B. M.Patre AIML-05	03:40↔ 04:00	PID: P1120535135 Title: Architecture for Biological Database Integration Authors: Majid Kazemian, Behzad Moshiri, Hamid Nikbakht, and Caro Lucas
	04:00↔ 04:20	PID: P1120535110 Title: A Multi-Layer/Multi-Agent Architecture for Meta-Search Engines Authors: Amir Hossein Keyhanipoor, Maryam Piroozmand, Behzad Moshiri, and Caro Lucas
	04:20↔ 04:40	PID: P1120535133 Title: CloniZER Spell Checker Adaptive, Language Independent Spell Checker Authors: Loghman Barari, Behrang QasemiZadeh
	04:40↔ 05:00	PID: P1120535109 Title: A Modified Fuzzy C-Mean for Clustering Data with Attributes of Different Degrees of Importance Authors: M. Namazifar, and H. Javaheri Neyestanaki
	05:00↔ 05:20	PID: P1120535140 Title: Functional Networks Classifier Using Iterative Least Squares Authors: Emad A. El-Sebakhy