

**2011 IEEE International Conference on  
Intelligent Computing and Intelligent Systems  
(ICIS 2011)**

# Conference Program

**University Town International Hotel**



**November 18-20, 2011**

**Guangzhou, China**

## Co-Sponsored by

**IEEE Beijing Section, China**

**Guangdong University of Technology, China**

**Shanghai Jiaotong University, China**

**Xiamen University, China**

**Fujian Association for Artificial Intelligence, China**

**Iwate Prefectural University, Japan**



## **Greeting Message from General Conference Chairs**

Welcome to 2011 IEEE International Conference on Intelligent Computing and Intelligent Systems (ICIS 2011)! Welcome to Guangzhou, China! We believe that the solid conference program and the amazing city of Guangzhou will offer you irresistible attraction.

This year's ICIS 2011 is co-sponsored by IEEE Beijing Section, Guangdong University of Technology, Shanghai Jiaotong University, Xiamen University, Fujian Association for Artificial Intelligence, Iwate Prefectural University. Much work went into preparing a program of high quality.

At this very moment, we would like to thank the program committees and the organizing staffs for their hard work. We would like to especially thank Guangdong University of Technology for hosting this conference. We would like to deliver our appreciation to the keynote speakers for their great contribution to this conference.

The scope of this conference is to gather researchers from different areas and disciplines to present results and participate in discussions under the common theme of intelligent systems and computing. These interactions will facilitate a better understanding of the diversity of the different approaches as well as of their similarities. In addition it will open the way for applying approaches that have been successful in one area to problem solving in different areas and applications.

We wish each of you successful deliberations, stimulating discussions, new friendships and all enjoyment that Guangzhou can offer. While this is a truly remarkable Conference, there is more yet to come. We look forward to seeing all of you in Guangzhou.



Yun Zhang



Mengqi Zhou



Wen Chen

# Committees

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Zhenya Zhang, Anhui Institute of Architecture & Industry, China

Fan Wang, Microsoft Corporation Online Service Division, USA

Terry H.Walcott, E-Promag Consultancy Group, UK

# Conference Schedule

	<b>Time</b>	<b>Nanhu Hall</b> (Third Floor) 南湖厅 (三楼)	<b>Juyi Hall</b> (Third Floor) 聚谊厅 (三楼)	<b>Nanhua Hall</b> (Third Floor) 南华厅 (三楼)
2011-11-18	08:30-18:00	Registration at the hall of the conference hotel (University Town International Hotel)		
2011-11-19	08:30-18:00	Registration at the hall of the conference hotel (University Town International Hotel)		
	09:00-09:40	Opening Remarks (Nanhua Hall)		
	09:40-10:20	Keynote Speech by Prof. Pierre-Marc Jodoin (Nanhua Hall)		
	10:20-10:40	Coffee break		
	10:40-11:20	Keynote Speech by Prof. Ping Jiang (Nanhua Hall)		
	11:20-12:00	Keynote Speech by Prof. Ting Wang (Nanhua Hall)		
	12:00-13:30	Lunch		
	13:30-15:30	Session A1	Session B1	
	15:30-15:50	Coffee break		
	15:50-17:50	Session A2	Session B2	
18:30-20:30	Banquet			
2011-11-20	08:30-18:00	Registration at the hall of the conference hotel (University Town International Hotel)		
	08:30-10:30	Session A3	Session B3	
	10:30-10:50	Coffee break		
	10:50-12:10	Session A4	Session B4	
	12:10-13:30	Lunch		
	13:30-15:30	Session A5	Session B5	
	15:30-15:50	Coffee break		
	15:50-17:50	Session A6	Session B6	
	18:30-20:30	Banquet		

## Instructions for Presentations

### Oral Presentation

#### Devices Provided by the Conference:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

#### Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively): 15 minutes

Regular Oral Session: about 13 Minutes of Presentation, 2 Minutes of Q&A

Keynote Speech: 40 Minutes of Presentation, 5 Minutes of Q&A

### Poster Session

Poster Session at outside of Nanhu Hall and Juyi Hall. The time at November 19, 2011 (13:30-17:50).

#### Devices Provided by the Conference:

Space and nails

#### Materials Provided by the Presenters:

90cm×60cm poster

# Keynote Speaker 1

## From Bits to Content : a Different Approach to Video Analytics

Prof. Pierre-Marc Jodoin

Department of Computer Science, University of Sherbrooke, Boulevard de l'Universite,  
Sherbrooke, (Quebec) J1K 2R1, Canada



### Summary:

Video camera networks are ubiquitous. Over 30 million cameras produce close to 4 billion hours of video footage per week in the United States alone. This proliferation is taking place since, unlike other sensing modalities, visible-light cameras provide excellent space-time resolution, long capture range, wide field of view, and low latency. In that context, and with the ever decreasing cost of IP cameras, the need for simple but yet robust surveillance applications is becoming a glaring issue. Three such applications are (1) abnormality detection, (2) multicamera processing, and (3) efficient video-content retrieval. In this presentation, it will be shown that simple methods based on low-level bit-wise processing can lead to surprisingly accurate higher level results. A new video dataset devoted to motion detection will also be introduced. This dataset contains the largest number of indoor and outdoor hand-annotated videos in the world and propose a new way to evaluate motion detection methods. It is strongly believed that this dataset will have a significant impact on the video community.

### Biography:

Pierre-Marc Jodoin is an associate professor at the Department of Computer Science of the University of Sherbrooke, Canada. He received the Bachelor degree from Polytechnique School of Montreal, and the M.Sc. and Ph.D. degree from the University of Montreal, Canada, all with honour. During his studies, he received 9 grants, all for the excellence of his work. His research interests include image processing, segmentation, 3D reconstruction, video analytics and surveillance. His recent work includes several anomaly detection projects, motion detection, segmentation methods applied to medical imaging, 3D reconstruction with unstructured light, and an image analytics software applied to the 3D movie industry (for which a patent is pending). His publication record can be found at the following address: <http://www.dmi.usherb.ca/~jodoin/pub/publications.html> . He also started in 2011 a company working in the field of medical imaging. The company is currently developing a software suite adapted to the needs of research in medical imaging and should start selling products in 2012.

## Keynote Speaker 2

### From Intelligent Robots to Non-intelligent Robots, A Pervasive Intelligence Approach

Prof. Ping Jiang  
University of Bradford, England



#### **Abstract:**

Research on intelligent vehicle and mobile robot navigation has focused mostly on the development of a large and smart "brain" in order to gain autonomous capability copying homo sapiens. The approach is, however, facing a reliability problem and a computational bottleneck due to uncertainties in any dynamic environment. In this talk, the difficulties, especially in computer vision and navigation, will be discussed. It is argued that a machine should work in its own way, rather than just mimicking humans. This talk will report an intelligent environment with a mosaic of wireless camera eyes to support navigation and the control of mobile robots. The mosaic of camera eyes distributes the massive on-board intelligence required for autonomous systems to the environment. A robot with less intelligence can exhibit sophisticated mobility. The solution reported here uses a multiple Bloom-filter for the efficient storage of routing information and an active contour based scheme for path planning, trajectory generation, and motion control. A prototype intelligent environment consisting of 30 wireless visual sensors was developed for indoor navigation. The integrated experiments demonstrated the mobility of an environment-controlled wheelchair.

#### **CV:**

Dr. Ping Jiang is Reader in Robotics and Distributed systems at University of Bradford, England, where he leads research and teaching in intelligent robots and control. He received B. Eng., M. Eng. and Ph.D. degrees in Information and Control Engineering from Xi'an Jiaotong University, Xi'an, P.R. China, in 1985, 1988 and 1992, respectively. He was Lecturer in the Department of Electrical Engineering at Tongji University, Shanghai, in 1992 and promoted to Associate Professor, in 1994. Since 1997, he has been Professor in Department of Information and Control Engineering at Tongji University. His research work mainly focuses on intelligent control, distributed sensor and actuator systems, multi-agent

and intelligent robotics. He has been involved in many academic research projects funded by Chinese, British, EU and German foundations. In addition to academic research, he has hands-on experience on practical development and has been involved in more than twenty industrial knowledge transfer projects. From 1998 to 2000, he was an Alexander von Humboldt Research Fellow at Universitaet Erlangen-Nuernberg, Germany, where he worked on robot behaviour learning from demonstration and developed a universal learning approach for vision based imitation without camera calibration. From 2002 to 2003, he was a senior research fellow in Computing at Glasgow Caledonian University for the IST Project DIECoM, where semantic web techniques were applied to distributed product configuration management. In his career, four robots were developed, which include a 5DOF educational robot (received the National Scientific and Technical Achievement Award in 1989 and a Silver Medal in the 1990 Beijing International Industry Expo), a 4DOF direct-drive glass-cutting robot, a wheeled mobile robot and recently an autonomous wheelchair controlled by distributed visual sensors.

## Keynote Speaker 3

### Using Complex Network Features and Wikipedia for Web Information Intelligent Processing

Prof. Ting Wang

College of Computer, National University of Defense Technology, P. R. China



#### **Abstract:**

With the rapid development of Web2.0 applications, the generating and diffusion of web information has changed greatly and many new features can be observed. For example, the Web information has tremendous scale and demonstrates many complex network features, the topics of content evolves very fast, and the web pages are jammed with noise or spam. These features bring great challenges to the Web information intelligent processing. This talk present an approach by using the complex network features and online knowledge base such as Wikipedia in the research of information processing on the web: (1) the topological features of complex networks has been used for fast clustering on web; (2) the social network between persons has been mined to improve the application of web person name disambiguation; (3) based on the semantic graph topic model using Wikipedia, a information diffusion tracking method can track dynamically evolving topic in noisy, short and multi-theme blog posts. The experimental results demonstrate that incorporating the network structural characteristics and knowledge can improve the web information processing.

#### **CV:**

Ting Wang received his Ph.D. from National University of Defense Technology (NUDT) in 1997. After graduated, he worked in the Department of Computer Science and Technology at NUDT as Lecturer and Associate Professor from 1997 to 2004, and then he was promoted to Professor. He has been involved as principal investigator in many research projects funded by the National Natural Science Foundation of China, the Program for New Century Excellent Talents in University, and the National High Technology Research and Development Program of China. Ting Wang is the author of over 60 technical papers in a wide range of conferences and journals including IJCAI, SIGIR, WWW, ISWC, ESWC and Journal of Web Semantics. His research work mainly focuses on Natural language processing, Information Retrieval, and Semantic Web.

## **November 18, 2011**

Registration 08:30-18:00

## **November 19, 2011**

### **9:00—9:40 Opening Remarks**

### **9:40-10:20 Keynote Speech 1**

From Bits to Content : a Different Approach to Video Analytics

Prof. Pierre-Marc Jodoin, University of Sherbrooke, Canada

### **10:20-10:40 Coffee break**

### **10:40-11:20 Keynote Speech 2**

From Intelligent Robots to Non-intelligent Robots, A Pervasive Intelligence Approach

Prof. Ping Jiang, University of Bradford, England

### **11:20-12:00 Keynote Speech 3**

Using Complex Network Features and Wikipedia for Web Information Intelligent Processing

Prof. Ting Wang, National University of Defense Technology, China

### **12:00-13:30 Lunch**

### **13:30-15:30 Parallel Sessions**

#### **Session A1 (13:30-15:30)**

#### **Session Chair: Hussain Shareef, Universiti Kebangsaan Malaysia**

- 10078 Improving the enhancement effects on small hot objects in infrared images  
(Chih-Lung Lin, Yuan-Chang Chang, Chang-Jung Juan, Chih-Wei Kuo and Michael Lu)
- 10085 Identification of Voltage Sag Source Location Using TT Transformed Disturbance Power  
(Hussain Shareef, Azah Mohamed, Ahmad Asrul)
- 10156 Fault Localization Based on Attribute Selection  
(Hao Li, Wenjun Li, Xiaocong Zhou)
- 10218 Image Shape Representation and Description Techniques, Classification of Available Techniques and Open Issues (Tranos Zuva, Oludayo O. Olugbara, Sunday O. Ojo and Seleman M. Ngwira )
- 10239 On the Control of Indeterminate Asynchronous Sequential Machines: An Algebraic Framework  
(Jung-Min Yang, Tan Xing, and Jacob Hammer)
- 10247 Behavior and system performance optimization for an industrial system by using particle swarm optimization  
(Harish Garg and S.P. Sharma )
- 10253 Robust Stability of Continuous Time Vehicles Formations with Time-Varying Delays and Uncertainties  
(Xiangshun Li; Huajing Fang )
- 10264 Line segment based logo retrieval under noisy conditions  
(Jingying Chen and Ke Zeng)

#### **Session B1 (13:30-15:30)**

#### **Session Chair: Firas Basim Ismail Alnaimi, Curtin University Sarawak Malaysia**

- 10333 Overtaking Maneuver Behaviour Modeling Based on Adaptive Neuro-Fuzzy Inference System  
(A. Ghaffari, A. Khodayari, F. Alimardani, and H. Sadati )

- 10351 A fusion of local and global optimization methods for predicting signal peptides  
(Gongde Guo, Yi Wang, Jie Huang, Si Chen )
- 10353 The Research on the Describing Knowledge of GIS Path Based on Natural Language  
(CHANG Dehai, LI Bin, WANG Qingshan)
- 10394 Private Information Retrieval implies Distributed Oblivious Transfer  
(Zi-Kun ZHANG, Ke-Wei LV )
- 10397 Gender Recognition and Age Brackets Classification Methods by Using Feature Enhancement Masks on Human Face Images (Chung-Chia Kang, Jian-Ren Chen, Ho-Hsin Lee, and Chih-Wei Chen )
- 10407 Data Mining of Web Sites Using Self-Organizing Maps and Ontologies  
(Dimitris Petrilis, Constantin Halatsis )
- 10413 Object Tracking based on Shift Clustering and Weighted Least Square  
(Jihao Yin; Chongyang Fu )
- 10419 A Distributed Data Collection Solution for HLA-based Simulations  
(Wei Li, Ping Ma, Ming Yang)

### **15:30-15:50 Coffee break**

### **15:50-17:50 Parallel Session**

#### **Session A2 (15:50-17:50)**

#### **Session Chair: Hussain Shareef, Universiti Kebangsaan Malaysia**

- 10431 TPSO: Hybrid Model of TOPSIS and PSO for Solving Multi-Objective Optimization Problems  
(Bahareh Inanloo, Banafsheh Zahraie, Abbas Roozbahani)
- 10462 adaptive Segmentation of Liver MRI Based on Edge Detection and Grayscale Thresholding  
(Shaozhen Ye, Qingyan Guo)
- 10472 Verification of intelligent fuzzy mechanism control strategy using 9 DOF complex tilting railway vehicle model  
(H Zamzuri, A.C.Zolotas, R.M.Goodall, S.A.Mazlan)
- 10478 Single Packet Multiple Destinations Router of NoC for Hardware ANN  
(Yiping DONG, Yifei TANG, Ce LI, Takahiro WATANABE )
- 10481 Multilevel Variable Partition Approach for Large Scale Optimization  
(GONG Chun-lin, GU Liang-xian)
- 10487 IMPROVING AIRCRAFT MAINTENANCE, REPAIR AND OVERHAUL: A NOVEL TEXT MINING APPROACH  
(Jun Yu, Stephen Gulliver, Yinshan Tang and Lisheng Ke )
- 10497 Differential Evolution Based on Population Reduction with Minimum Distance  
(Ming Yang, Jing Guan, Zhihua Cai, Changhe Li)
- 10510 Portable Key (PK) : Manage your keys of laptop by mobile phone  
(Miao Fuyou, Lv Jianlin, Huang Jian)

#### **Session B2 (15:50-17:50)**

#### **Session Chair: Firas Basim Ismail Alnaimi, Curtin University Sarawak Malaysia**

- 10521 Integrated Aerodynamic Shape Optimization Design of Wing and Winglet Based on the Modified Quantum Particle Swarm Optimization  
(Zhang Wei, He Chaoming, Liu Quwu )
- 10522 Automatic Modeling Method for Finite Element Simulation Model Based on Design Model  
(Zhang Wei, Guo Dapeng, Sun Meijian )

- 10523 Research of Optimization Design Method for Morphine Wing Driving Mechanism  
(Jiang Hanjie, Zhang Wei, Jin Ding)
- 10526 Pure Artificial Intelligence Monitoring System for Coal-Fired Power Plant Boiler Drum High Water Level Trip  
(Firas Basim Ismail Alnaimi )
- 10528 Heuristic for Single Machine Scheduling Problem with Sequence Dependent Setup time under Due Date Constraint. (CAMARA Ibrahim 1 ZHOU Hong )
- 10532 Design of Energy Saving Control System For Subway Escalators  
(Xianghua Ma, Mingxu Lu, Futian Zhao, Yinzhong Ye, Ping Qian)
- 10535 Neural Networks for Opponent Modelling in Complex Contexts  
(Michael Harre, Allan Snyder)
- 10536 Transitions in Learning About Your Opponent  
(Michael Harre, Allan Snyder)

### **18:30-20:30 Banquet**

**November 20, 2011**

**08:30-10:30 Parallel Sessions**

**Session A3 (08:30-10:30)**

**Session Chair: Zhifeng Wang, South China University of Technology**

- 10568 Study on Visual Comfort in Airplane Flight Deck  
(Li Hui, Zhang Wei, Ma Zhi )
- 10570 A New Rental Matchmaking System  
(Jianfeng Du, Shuai Wang, Haoran Liu, Junhong Liu, Wenhuan Xie, Che Qiu)
- 10583 Knowledge Internalization based on SECI Model in Online Learning Environment  
(Mazida Ahmad, Merza Abbas, Roshidi Din)
- 10591 Trust, Privacy and Security in opportunistic Network  
(Naveed Farhana, Nisar Hindewale )
- 10594 The Feasibility and Suitability in Building Decision Support System for TCM  
(Yan Ng Li Sai Mei)
- 10601 Design and Implementation of a Hybrid Controller Using Fuzzy Supervisory Control  
(Behrouz Safarinejadian, M. Ghanbari, B. Moudi)
- 10602 Cluster-Head Election Using Fuzzy Logic for Wireless Networks  
(B. Safarinejadian, M. Ravaei, B. Moudi)
- 10604 Large-Scale System Reliability Analysis Using Monte Carlo Simulation and Wavelet Density Estimation  
(B. Safarinejadian)

**Session B3 (08:30-10:30)**

**Session Chair: Ngai-Weng Tang, University of Macau**

- 10623 Decision Support For TCM Diagnosis And Treatment According To Syndrome Differentiation  
(Yan Ng, Wu Qing Guang, Liu Si Jun )
- 10651 Research on Detecting and Repairing Rules for Data Quality  
(Bo Liu )
- 10656 Network Architectwie Forcloud Computing  
(Geng Lin, Eileen Liu )
- 10677 Ternary Data Encoding Using Integrated RAM/ROM Chips

- (Chen Liang; Mingli Yang)
- 10684 ANFIS Based Modeling and Prediction Lane Change Behavior in Real Traffic Flow  
(A. Ghaffari, A. Khodayari, S. Arvin)
- 10697 Pointing Learning in Developmental Robotics Based on Constructive Neural Network and Reinforcement Learning Algorithm (Fei Chao, Pan Wang, Minghui Shi, Min Jiang )
- 10698 Optimized Graph-Based Authentication for Image Streams Delivery Over Wireless Networks  
(Xiaowei Yi, Mingyu Li, Hengtai Ma)
- 10714 A Genetic Approach for Joint Relay Selection and Power Allocation in Amplify-and-Forward Relay Networks  
(Wen-Hsien Fang, Yie-Tarng Chen, and Hung-Shiou Chen )

### **10:30-10:50 Coffee break**

### **10:50-12:10 Parallel Sessions**

#### **Session A4 (10:50-12:10)**

#### **Session Chair: Zhifeng Wang, South China University of Technology**

- 10727 A Decision Support System for the Steelmaking and Continuous-casting Production Scheduling  
(Gongshu Wang, Lixin Tang )
- 10729 Simulation Technique Analysis on Intelligent Control Systems  
(Hailiang Zhao )
- 10732 Split Ratio Optimized Local Linear Neuro Fuzzy Model for Prediction Application to Oil Consumption Prediction  
(Hossein Iranmanesh, Majid Abdollahzade and Arash Miranian )
- 10779 A Robust Image Encryption Scheme Based on Cellular Automata for Wireless Networks  
(Ping Ping, Wang-Zhijian, Xiao Jia )
- 10787 A GMM-UBM Based Recording Device Identification Algorithm  
(Zhifeng Wang, Yanxiong Li, Jun He, Haiyu Luo)
- 10795 The Research of Video People Counting Algorithm Based on Feature-blobs Trajectories Affinity Propagation Clustering (YANG Hongbo )

#### **Session B4 (10:50-12:10)**

#### **Session Chair: Ngai-Weng Tang, University of Macau**

- 10820 An Object-Based Approach to Customizable Workflow Monitoring  
(Ngai-Weng Tang, Yain-Whar Si )
- 10834 Prediction of mutation positions in EuroAsia H3N2 hemagglutinins using cause-mutation model  
(Yan S, Wu G)
- 10841 Incremental Clustering Based on Sample Selection  
(Ming Liu, Binquan Liu, Chengjie Sun, Yuanchao Liu)
- 10843 A Survey of Time Series Processing  
(Yuhang Yang, Yingju Xia, Yao Meng, and Hao Yu )
- 10868 An adaptive hexagon and small diamond search  
(Zhang Xiaohong, Zhang Dongbo)
- 10869 Fast Dynamic Algorithm for Sequence Alignment Based on Bioinformatics Algorithms  
(Sara Shehab, Hany Mahgoub, Arabi Keshk, Waeil Fathy.)

### **12:10-13:30 Lunch**

### **13:30-15:30 Parallel Sessions**

#### **Session A5 (13:30-15:30)**

**Session Chair: Oludayo O. Olugbara, Tshwane University of Technology**

- 10886 Experimental Comparison Of Genetic Algorithm and Simulated Annealing to Minimize Energy in Ad-hoc Wireless Networks (Ibukunola A. Modupe; Oludayo O. Olugbara; Sunday O. Ojo)
- 10888 Evolving Heuristics for the School Timetabling Problem (Nelishia Pillay)
- 10889 Image Compression using Phase Diversity of Synthesis Filters (Abdul Nadeem and Fan Yangyu)
- 10891 Estimation of background ozone temporal profiles using neural networks (Herman Wahid, Q.P. Ha, Hiep Duc, Merched Azzi)
- 10892 Fuzzy Clustering for the Estimation of Local Percent Ground Cover through Digital Photographs (Fei Tan, Jianhui Li, Honglin He, Yuanchun Zhou, Xiao Xiao )
- 10900 Application of Support Vector Regression and Fuzzy Theory to Exchange Rate from New Taiwan Dollars to U.S. Dollars (Victor R.L. Shen, Wei-Cheng Li and Jin-Tsong Jeng)
- 10909 Efficient Leave-One-Out Evaluation of SVM Models (Liang Wu, Hangzai Luo, Minghua Zhu, Jianping Fan )
- 10912 Simultaneous process mean and variance monitoring using SVM (Shaoxiong Wu)

#### **Session B5 (13:30-15:30)**

**Session Chair: Zhiqiang Cai, The University of Memphis**

- 10925 Speeding-up FIC Based on Symmetry Predictor using Moments Features Order (1) and (2) (Loay E. George Eman Al-Hilo )
- 10929 Blurred Image Classification Using Adaptive Dictionary (Guangling Sun,Guoqing Li,Xiaoqing Jiang)
- 10933 Trialog in ARIES: User Input Assessment in an Intelligent Tutoring System (Z. Cai, A. Graesser, C. Forsyth, C. Burkett,K. Millis, P. Wallace, D. Halpern, H. Butler)
- 10943 CONSTITUTE A SUB-GRAPH WITH n-levels TO SEARCH A SET OF SHORTER PATHS USING GENETIC ALGORITHM (MR.TARAK NATH PAUL DR.ABHOY CHAND MONDAL )
- 10952 Analysis of Cache Set-Level Utilization (Huang Zhibin, Zhu MingFa, Xiao Limin )
- 10959 Controllability Analysis for Bilinear PDE System with Diffusivity Control (Yongsheng Ou, Jian Chen)
- 10963 Robust blob tracking for multiple merges and splits (Gongyan Li Tianchun Ye Cheng Tang )
- 10972 A Study of the Use of Noise Operators in the Developmental Approach for the Examination Timetabling Problem (Nelishia Pillay )

### **15:30-15:50 Coffee break**

### **15:50-17:50 Parallel Sessions**

#### **Session A6 (15:50-17:50)**

**Session Chair: Oludayo O. Olugbara, Tshwane University of Technology**

- 10997 Combining Skin Color and Cascade-Like Neural Network for Face Detection  
(Zulhadi Zakaria, Shahrel Azmin Suandi)
- 10999 Iris Recognition of Moving Persons  
(SHAHRAM MOHAMMADI, MOHAMMAD JAVAD BASHIRI )
- 11004 Hand-face-touch Measure: a Cue for Human Behavior Analysis  
(Anwar Saeed, Robert Niese, Ayoub Al-Hamadi, and Axel Panning )
- 11005 ANFIS Based Controller for Double Inverted Pendulum System with Payload  
(Omar Mehrez, Ahmed Ramadan, Ahmed Abo-Ismael)
- 11006 A Regression Model with Mamdani Fuzzy Inference System for Early Software Effort Estimation Based on Use Case Diagrams (Ali Bou Nassif, Luiz Fernando Capretz, Danny Ho)
- 11008 Analyzing Query Expansion Techniques  
(Dr. Maruf Pasha, Ahsan Raza )
- 11009 Development of a Dexterous Endoscopic Manipulator Based on Parallel Mechanism  
(Khalil Ibrahim, Ahmed Ramadan, Mohamed Abdellati, Ahmed Fath El-Bab and Ahmed Abo-Ismael)
- 11010 Robust Hand Posture Recognition with Micro and Macro Level Features using Kinect  
(Omer Rashid, Ayoub Al-Hamadi, Bernd Michaelis)

### **Session B6 (15:50-17:50)**

#### **Session Chair: Zhiqiang Cai, The University of Memphis**

- 11013 Emotional Learning Fuzzy Inference System for Simulation and Estimation of nonlinear Systems  
(Reza Kazemi and Majid Abdollahzade)
- 11022 Automated segmentation and classification method for field moth  
(Chenglu Wen, Qingyuan Zhu, Wei Li, Ling Qin )
- 11027 Unsupervised speaker indexing using speaker informatin vector  
( Ji-chen Yang,Xiao-hui Feng,Yan-xiong Li)
- 11032 Image Retrieval Method based on Visual Query Suggestion and Relevance Feedback  
(Jing Zhang, Yuncong Yang, Li Zhuo, Ying Feng )
- 11042 A Theoretic Frame of Intelligent Optimization System with Its Application  
(Cai Yanguang, Hao Cai, Xing Yan)
- 11046 Development of Organizational Information Security Policies  
(K.S. Cheung )
- 10731 Semi-Supervised Self-Training with Decision Trees: An Empirical Study  
(Jafar Tanha, Maarten van Someren, Hamideh Afsarmanesh)

### **18:30-20:30 Banquet**

## Poster Session

10006	A Proposed Conceptual Model for Assessing Web-Based Applications Quality Factors	Doaa Nabil, Abeer Moasd, Hesham Hefny
10014	Multiobjective Optimization Using Bacterial Colony Chemotaxis	Huilin Cheng, Zhigang Lu, Songqiang Sun
10022	A fuzzy controlled mini autonomous underwater vehicle	Tao Wang, Jinn-Feng Jiang, Chiu-Feng Lin, Qing Wang
10043	Design of Aircraft Attitude Control System Based on Angle Sensor with Kalman Filter	QU Chunxiao, CHEN Wei, YUAN Fang
10050	Modeling and Simulation of Ahead Detection Technology for Mining Roadway Based on IP Method	Weijie Zhang, Weizhen Zhang, Miao Wu
10058	A Characterization of Fuzzy Domains	Sanping Rao, Ming Yi
10064	A Pattern Recognition System Based on BP Neural Network—The Examination of Steel Ball Surface Defect	Xiumei Tian
10081	Water Resources and the Socio-economic System Dynamics Model in Guangxi Beibu Gulf Economic Zone	Xiaode Zuo, Yangyang Shen
10088	Prediction of RNA Secondary Structure Based on the Neural Network	Li Jin-Ming, Xu Dan
10090	Analyses and Control of the Starting Process of Large Belt Conveyor	GAO Jie,Wang Liang, Bingcai Xu, Liu Feng
10099	An Algorithm of 3D Cutter Compensation for 5-axis End Milling	Wang Feng, Zheng Liaomo, Liu Feng, Zhang Han, Lin Hu
10105	Distributed data mining in the grid environment	Wang tingzhong, Fan ganglong
10112	Priority-Based Encoding Genetic Algorithm For Solving Two-Stage Capacitated Facility Location Problem With Side Constraints	Yi Zhang, Jun Zhao, Yi Zhang
10114	Ecological Risk Assessment and management to Karst wetland	LI Hui, WANG Yue, JIANG Zhong-cheng, CHEN Meng-lin
10119	Research on mode and Algorithm of Investment Subdivision in Engineering Management	HongJun YIN
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## Contact Us

The secretary of ICIS2011

Ms: Xi Tian

Tel: +86-18964762205

Email: [icis@ieee-icis.org](mailto:icis@ieee-icis.org)

<http://www.ieee-icis.org>