EIT 2009 TECHNICAL PROGRAM

Monday Morning Sessions: M1A, M2A, M3A, M4A

Monday Afternoon Sessions: M1P, M2P, M3P, M4P, M5P, M6P

Tuesday Morning Sessions: T1A, T2A, T3A, T4A

Tuesday Afternoon Sessions: T1P, T2P, T3P, T4P, T5P, T6P

M1A (10:30 – 12:00 noon): Communication Systems I

Chair: *TBD*

Room: *Malden*

10:30 ***Modulation and Directionality Characteristics of Free-space Optical Transmission Links (Paper # 47)***

Xian Jin, Christopher Collier, Jonathan Holzman, Julian Cheng
(School of Engineering, University of British Columbia Okanagan)
Kelowna, Canada

10:48 ***High-Speed CRC Computation Using Optimum State-Space Transformations (Paper # 103)***

Christopher Kennedy and Arash Reyhani-Masoleh
Department of Electrical and Computer Engineering
The University of Western Ontario, London, ON N6A 5B9 Canada

11:06 ***Effect of SNR Mismatch on the Performance of Turbo Decoding Algorithms (Paper # 125)***

Behnam Shahrrava and Yibo Zhou (University of Windsor, Windsor, Ontario)

11:24 ***Joint Source-Channel Coding using Finite State Integer Arithmetic Codes (Paper # 67)***

Hashem Moradmand Ziyabar, Ali Payandeh, Mohammad Reza Aref
(Sharif University of Technology, Tehran, Iran)

M2A (10:30 – 12:00 noon): Mobile Networks

Chair: *Jian Ren*

Room: Belle River

10:30 ***Market-based computational task assignment within autonomous wireless sensor network (Paper # 55)***

Andrew T. Zimmerman and Jerome P. Lynch (University of Michigan) Ann Arbor, Michigan, USA,
Frank T. Ferrese (Naval Surface Warfare Center, Carderock Division) Philadelphia, Pennsylvania, USA

10:48 ***Routing-Based Source-Location Privacy Protection in Wireless Sensor Network (Paper # 46)***

Yun Li, Leron Lightfoot, Jian Ren (Department of Electrical and Computer Engineering, Michigan State University), East Lansing, Michigan, USA

11:06 ***Architectural Model for Wireless Peer-to-Peer(WP2P) File Sharing for Ubiquitous Mobile Devices (Paper # 14)***

O.O. Abiona, A. I. Oluwaranti, T. Anjali, C. E. Onime, E.O. Popoola, G.A. Aderounmu, W.J. Dorin and L.O. Kehinde, (Computer Information Systems Department, Indiana University Northwest), Garry, Indiana, USA

11:24 ***A New Call Admission Control Scheme Based on New Call Bounding and Thinning II schemes in Cellular Mobile Networks (Paper # 19)***

Zahra Firouzi, Hamid Beigy, (Department of Computer Engineering Sharif University of Technology), Tehran, Iran

M3A (10:30 – 12:00 noon): Computer Networks & Security I

Chair: *TBD*

Room: Tilbury

10:30 ***StackLock with Simple FSM (Paper # 41)***

Dongkyun Ahn and Gyungho Lee, (Department of Electrical and Computer Engineering University of Illinois at Chicago), Chicago, Illinois, USA

10:48 ***A Low-Cost S-box for the Advanced Encryption Standard Using Normal Basis (Paper # 144)***

Mehran Mozaffari-Kermani and Arash Reyhani-Masoleh
Department of Electrical and Computer Engineering
The University of Western Ontario, London, ON N6A 5B9 Canada

11:06 ***The Implementation of Secure Canary Word for Buffer-Overflow Protection (Paper #98)***

Sirsara Chiamwongpaet and Krerk Piromsopa (Dept. of Computer Engineering, Chulalongkorn University), Bangkok, Thailand

11:24 ***A Secure E-Tendering system (Paper #89)***

Shahriyar Mohammadi and Hediy Jahanshahi (Faculty of Industrial Engineering, K.N. Toosi University of Technology), Tehran, Iran

11:42 ***Interesting patterns using goal programming (Paper # 68)***

Yasir Imtiaz Khan, Asim Raza, and Syed Hasnain Haider, (Faculty of Information Technology, University of Central Punjab), Lahore, PAKISTAN

M4A (10:30 – 12:00 noon): Information Technology and Management

Chair: *M. Fathi*

Room: *Essex*

10: 30 ***A Data Mining based Knowledge Management Approach for the Semiconductor Industry (Paper # 84)***

C. Sassenberg, C. Weber, M. Fathi, R. Montino (University of Siegen), Siegen, Germany

10:48 ***Knowledge Management Support for Quality Management to Achieve Higher Customer Satisfaction (Paper # 86)***

Fazel Ansari, Marjan Khobreh, Sara Nasiri and Madjid Fathi (Institute of Knowledge Based Systems, University of Siegen), Siegen, Germany

11:06 ***Elements of Methods of Problem Solving and the Resource Capability in Software Engineering Paper # 35)***

Peter H. Chang, (Lawrence Technological University), Michael Blaha, Southfield, Michigan, USA

11:24 ***A New Probing Scheme for Fault Detection and Identification (Paper # 56)***

Otman Basir and Abduljalil Mohamed (Systems Design Engineering Department, University of Waterloo), Waterloo, Ontario, Canada

11:42 ***An Algorithm to Determine Neighbor Nodes for Automatic Human Tracking System (Paper # 42)***

H. Kakiuchi (Melco Power Systems Co., Ltd.), T. Kawamura, T. Shimizu, and K. Sugahara, Kobe, Japan

M1P (1:30 – 3:00 pm): Advanced Control Systems and Applications I

Chair: *Xiang Chen*

Room: *Tilbury*

1:*30* ***A Anesthesia patient monitoring and control in wireless based systems, (Paper # 132)***

Le Yi Wang, Zhibin Tan, and Hong Wang, (Wayne State University), Detroit, Michigan, USA

1:48 ***A Technique for Using H2 and H-infinity Robust State Estimation on Nonlinear Systems (Paper # 129)***

G. K. Lowe and M.A. Zohdy, Oakland University, Rochester, Michigan, USA

2:06 ***Nonlinear Extension Study for Analytic Multi-Objective Control Design (Paper # 130)***

Chen Gao, Hugh H. T. Liu, and Ping Zhang, University of Toronto, Toronto, Ontario, Canada

2:24 ***Robust Control of Tone Reproduction Curves for the Xerographic System* (*Paper # 133*)**

Xiaobo Li and Kemin Zhou, Louisiana State University, Baton Rouge, Louisiana, USA

2:42 ***Fault Tolerant Control of Electric Power Steering using Kalman Filter-Simulation Study (Paper 131)***

Smitha Cholakkal and Xiang Chen, (ECE Dept., University of Windsor), Windsor, Canada

M2P (1:30 – 3:00 pm): Image Processing I

Chair: *TBD*

Room: *Essex*

1:*30* *Using stereo geometry towards accurate 3D Reconstruction (Paper # 90)*

Z. Wang and B. Boufama, (School of Computer Science, University of Windsor), Windsor, Ontario, Canada

1:48 *Beamlet Transform Based Technique for Pavement Image Processing and Classification (Paper # 45)*

L. Ying and E. Salari (Dept. of Electrical Engineering and computer Science, University of Toledo), Toledo, Ohio, USA

1:06 *A Low-Cost, Real-time, Hardware-Based Image Demosaicking Algorithm (Paper #104)*

Anthony Karloff and Roberto Muscedere, (Department of Electrical and Computer Engineering, University of Windsor), Windsor, Ontario, Canada

2:24 *Color Restoration Techniques for Faded Colors of Old Photos, Printings and Paintings (Paper # 128)*

Ayman M. T. Ahmed (National Authority of Remote Sensing and Space Sciences), Cairo, Egypt

2:42 *A Feature Based Approach for Localization of Indian Number Plates(paper # 92)*

Prathamesh Kulkarni, Ashish Khatri, Prateek Banga, Kushal Shah (Dept. of Electronics and Telecommunication University of Pune), India

M3P (1:30 – 3:00 pm): Signal Processing

Chair: *TBD*

Room: *Malden*

1:30 *Iterative Design of IIR Variable Fractional Delay Digital Filters (Paper #75)*

Aimin Jiang and Hon Keung Kwan, (Dept. of Electrical Engineering, University of Windsor), Windsor, Ontario, Canada

1:48 *Recognition Strategies for General Handwritten Text Documents (Paper #142)*

M. Shridhar and G. F. Houle, F. Kimura (University of Michigan-Dearborn), Dearborn, Michigan, USA

2:06 *Document Recognition Strategies for Bank Cheques* (*Paper #141*)

M. Shridhar and G. F. Houle, F. Kimura (University of Michigan-Dearborn), Dearborn, Michigan, USA

2:24 ***Joint MCMA and DD blind equalization algorithm with variable-step size (Paper #57)***

Doaa Ashmawy, Kevin Banovic, Esam Abdel-Raheem, Mohamed Youssif Hala Mansour and Mahmoud Mohanna, (ECE dept., Benha University), Cairo, Egypt

M4P (3:30 – 5:00 pm): MEMS and Nanotechnology

Chair: *TBD*

Room: *Tilbury*

3:*30* ***A Highly Accurate Method to Calculate Capacitance of MEMS Sensors with Circular Membranes (Paper # 38)***

Mosaddequr Rahman, Sazzadur Chowdhury
(Dept. of Electrical and Computer Engineering, University of Windsor), Windsor, Ontario, Canada

3:48 ***A Single-Pole-Triple-Throw (SP3T)MEMS RF Switch for 24 GHz Short Range Radar (Paper # 16)***

Ahmad Sinjari, Sazzadur Chowdhury (Dept. of Electrical and computer Engineering, University of Windsor), Windsor, Ontario, Canada

4:06 ***Sensitivity of tungsten oxide thin films for nitric oxide and methane gases (Paper # 64)***

Ahalapitiya H. Jayatissa and Lash Mapa, (Mechanical, Industrial, and Manufacturing Engineering (MIME) department at The University of Toledo), Toledo, Ohio, USA

4:24 ***Finite Element Simulation of SMFBAR based Sensor (Paper # 136)***

Chi-Jung Cheng and Massood Zandi Atashbar (Department of Electrical and Computer Engineering, Western Michigan University), Kalamazoo, Michigan, USA

4:42 ***Employing Work Function Enginnering and Asymmetric Gate Oxide in Nano-Scale Source- Heterojunction-MOS-Transistor (Paper # 85)***

Mahsa Tahermaram, Mahdi Vadizadeh (Department of Electrical and Computer Engineering, University of Tehran), Tehran, Iran

5:00 ***Design and Implementation of MEMS Based Differential Voltage Controlled Oscillator (paper # 93)***

B. S. Sreeja and S. Radha,SSN college of engineering

M5P (3:30 – 5:20 pm): Circuits, Systems and Neural Networks

Chair: *TBD*

Room: *Malden*

3:*30* *On Linear Time-Varying System Characterization (Paper # 87)*
S. Erfani, (Electrical and Computer Engineering Dept., University of Windsor), Windsor, Ontario, Canada

3:48 ***Building a Neuro-Fuzzy Model for Predicting the Bacteria Bound and Internalized by the White Blood Cells (Paper # 48)***
Devinder Kaur, Jaina Sangtani (University of Toledo), Toledo, Ohio, USA

4:06 ***Numerical calibration for 3-Axis accelerometers and magnetometers (Paper # 18)***
Frédéric Camps and Sébastien Harasse (University of Toulouse), France

4:24 ***Thermal Characterization of the VBIC Dielectrically Isolated Device (Paper # 117)***
Md M. Hossain, W. Alan Davis, Howard T. Russell Jr., and Ronald L. Carter, Department of Electrical and Computer Engineering, St. Cloud State University, Minnesota.

4:42 ***Mixed-Signal CVNS Adder for Two-operand Binary Addition (Paper #82)***
Mitra Mirhassani (Dept. of Electrical Engineering University of Windsor), Windsor, Ontario, Canada

M6P (3:30 – 5:20 pm): Digital Hardware Design & CAD I

Chair: *TBD*

Room: *Essex*

3:*30* *Real-Time Invariant Textural Object Recognition with FPGAs (Paper #102)*
Timothy R. Pearson, (Electrical and Computer Engineering Department, Northern Illinois University), Illinois, USA

3:48 ***Opportunities for parallelism when implementing algorithms in VHDL - A Case Study - Shift-or (Paper #94)***

Barry Schulz, Chirag Parikh and Christian Trefftz, (School of Engineering, Grand Valley State University), Grand Rapids, Michigan, USA

4:06 ***System-Level Memory Modeling for Bus-Based Memory Architecture Exploration (Paper #121)***

Zhongbo Cao, Ramon Mercado and Diane T. Rover (Department of Computer Engineering, Iowa State University), Ames, Iowa, USA

4:24 ***Realization of Area Efficient QR Factorization Using Unified Division, Square Root, and Inverse Square Root Hardware (paper #119)***

Semih Aslan, Erdal Oruklu, and Jafar Saniie (Electrical and Computer Engineering Department, Illinois Institute of Technology), Chicago, Illinois, USA

4:42 ***High Performance Signed-Digit Decimal Adders (paper #61)***

Jeff Rebacz, Erdal Oruklu, and Jafar Saniie (Electrical and Computer Engineering Department, Illinois Institute of Technology), Chicago, Illinois, USA

T1A (10:30 – 12:00 noon): Wireless Systems

Chair: *TBD*

Room: *Tilbury*

10:30 ***Differential Access Points for Indoor Location Estimation (Paper # 28)***

Ning Chang, Rashid Rashidzadeh, Majid Ahmadi (Dept. of Electrical Engineering University of Windsor), Windsor, Ontario, Canada

10:48 ***Jamming-Resilient Subcarrier Assignment for OFDMA Based Space-Time Coded Systems (Paper # 43)***

Leonard E. Lightfoot, Lei Zhang, Jian Ren, and Tongtong Li
(Department of Electrical & Computer Engineering
Michigan State University), East Lansing, Michigan, USA

11:06 ***IP Mobility Scheme for Multi-hop WiMAX (Paper # 97)***

Nicholas C. Doyle and Kemal E. Tepe, (Department of Electrical and Computer Engineering, University of Windsor), Windsor, Ontario, Canada

11:24 ***Performance Analysis of Client/Server Versus Agent Based Communication in Wireless Sensor Networks For Health Applications (Paper # 107)***

David Barnes, Subra Ganesan and Suresh Sankaranarayanan, (Electrical and Computer Engineering Department, Oakland University), Rochester, Michigan, U.S.A.

11:42 ***On the Power Efficiency and Optimal Transmission Range of Wireless Sensor Nodes (Paper # 139)***

Jin Zhu, (Electrical and Information Engineering Technology Department of Industrial Technology University of Northern Iowa), Cedar Falls, Iowa, USA

T2A (10:30 – 12:00 noon): Advanced Control Systems and Applications II

Chair: *Majid Fathi*

Room: Essex

10:30 ***Noise Tolerance Improvement of The Linear Periodic Model Reference Adaptive Control Using Vigorous Probing (Paper # 63)***

Naghmeh Mansouri and Madjid Fathi (Department of Electrical and Computer Science, University of Siegen) Siegen, Germany

10:48 ***Study and Implementation of a force stepper and Part Fit-up Solver for a Servo Controlled MFDC Weld Controller (Paper # 123)***

Dhanasekaran Venugopal, Manohar Das, and Vernon Fernandez (Detartment of Electrical and Computer Engineering, Oakland University), Rochester, MI, USA

11:06 ***Robust Control Algorithm on a 16-bit dsPIC Processor (Paper # 134)***

Pavan K Vempaty and Nilanjan Roy Choudhury, (Department of Electrical and Computer Engineering, Oakland University), Rochester, Michigan, USA

11:24 ***A design methodology for the implementation of embedded vehicle navigation systems (Paper # 66)***

Azizul Islam, J.M.Pierre Langlois and Aboelmagd Noureldin, Département de génie informatique et génie logiciel, École Polytechnique de Montréal, Montréal, Québec, Canada

T3A (10:30 – 12:00 noon): Biomedical Systems and Applications

Chair: *Kwan*

Room: *Malden*

10:30 ***Detection of Body Posture with Low-Cost CMOS Camera Systems for Applications in Medical Care (Paper # 110)***

Yanfei Liu and Carlos Pomalaza-Ráez (Department of Engineering, Indiana University – Purdue University), Fort Wayne, Indiana, USA

10:48 ***Numerical Representation of DNA Sequences (Paper # 112)***

Hon Keung Kwan and Swarna Bai Arniker, (Electrical and Computer Engineering Department, University of Windsor), Windsor, Ontario, Canada

11:06 ***Graphical representation of DNA sequences (paper # 111)***

Swarna Bai Arniker and Hon Keung Kwan, (Electrical and Computer Engineering Department, University of Windsor), Windsor, Ontario, Canada

11:24 ***Electrochemical Sensors for Detection of Biomolecules (Paper # 114)***

A. H. Jayatissa, Z. Li, L. Mapa, and A. C. Jayasuriya , (Electrical Engineering Dept., University of Toledo), Toledo, Ohio, USA

T4A (10:30 – 12:00 noon): Computer & Network Security II

Chair: *TBD*

Room: Belle River

10:30 ***Watermarking of speech signals in the time-frequency domain (Paper # 30)***

Mahmood Al-khassaweneh, Hussein Al-Zoubi and Selin Aviyente (Department of Electrical and Computer Engineering Michigan State University), East Lansing, Michigan, USA

10:48 ***Secure End-to-End Communication over GSM and PSTN Networks (Paper # 80)***

Saad Islam, Fatima Ajmal, Salman Ali, Jawad Zahid and Adnan Rashdi, (National University of Sciences and Technology), Pakistan

11:06 ***A Test-bed for verification of vehicle safety communication applications* (*Paper # 122*)**

Mohammad Naserian and Kurt Krueger, Vector CANtech, Novi, Michigan, USA

11:24 ***A New Fractional Call Admission Control Scheme in Integrated Cellular Network (Paper # 20)***

Leila Mortazavi-Far and Hamid Beigy, (Department of Computer Engineering, Sharif University of Technology), Tehran, Iran

T1P (1:30 – 3:00 pm): Wireless Networks

Chair: *TBD*

Room: *Malden*

1:*30* ***A Novel Real-time MAC Layer Protocol for Wireless Sensor Network Applications (Paper # 106)***

Brajendra Kumar Singh and Kemal Ertugrul Tepe
(Dept. of Electrical and Computer Engineering, University of Windsor), Windsor, Ontario, Canada

1:48 ***Characterization of the Adverse Effect of Neighborhood Capture in MANET and on the Way to a Remedy (Paper # 135)***

Kazi Atiqur Rahman, Kazi Aminur Rahman, Matthias Lott, and Kemal Ertugrul Tepe (Dept. of Electrical Engineering University of Windsor), Windsor, Ontario, Canada

2:06 ***A Joint Cross Layer Routing and Resource Allocation Algorithm for Multi-Radio Wireless Mesh Networks (paper # 143)***

Taimour Aldalgamouni and Ahmed Elhakeem Department of Electrical and Computer Engineering, Concordia University Montreal, Canada

2:24 ***Effect of Factors on RFID Tag Readability-Statistical Analysis (Paper # 62)***

Annaji Ammu, Lash Mapa, Ahalapitiya H. Jayatissa, (Industrial Engineering Technology Department at Purdue University), Calument, Indiana, USA

T2P (1:30 – 3:00 pm): Image Processing II

Chair: *TBD*

Room: *Tilbury*

1:*30* ***A Cost Effective Probabilistic Approach To Localization And Mapping (Paper # 39)***

Dibyendu Mukherjee, Ashirbani Saha, Pankajkumar Mendapara, Dan Wu and Q.M. Jonathan Wu, (ECE Dept., University of Windsor), Windsor, Ontario, Canada

1:48 ***Fingerprint Image Compression Standard Based on Wave Atoms Decomposition and Self Organizing Feature Map (Paper # 36)***

Abdul A. Mohammed, Rashid Minhas, Q.M.Jonathan Wu, Maher A. Sid-Ahmed, (Dept. of Electrical and Computer Engineering, University of Windsor), Windsor, Ontario, Canada

2:06 ***Automated Pavement Distress Detection Using advanced image Processing Techniques (Paper # 44)***

Y. Sun, E. Salari and E. Chou, (School of Computer Science, University of Toledo), Toledo, Ohio, USA

2:24 ***A New Image Transform for a More Crop-Resilient NPT* (*Paper #51*)**

Ayman M. T. Ahmed and Dwight D. Day (Department of Electrical and Computer Engineering, Kansas State University), Manhattan, Kansas, USA

T3P (1:30 – 3:00 pm): Digital Hardware Design & CAD II

Chair: *TBD*

Room: *Essex*

1:*30* ***Agile Hardware Development with Rapid Hardware Definition Language (Paper # 105)***

Jacob N. Allen, Hoda S. Abdel-Aty-Zohdy and Robert L. Ewing (Dept. of Elect. and Comp. Engineering, Oakland University), Rochester, Michigan, USA

1:48 ***Artificial Neural Networks Activation Function HDL Coder (Paper # 40)***

Majid Ahmadi, Ashkan Hosseinzadeh Namin, Karl Leboeuf and Huapeng Wu (Dept. of Electrical Engineering University of Windsor), Windsor, Ontario, Canada

2:06 ***FPGA-Based Design Of a High-Performance and Modular Video Processing Platform (Paper #58)***

Christophe Desmouliers, Erdal Oruklu and Jafar Saniie, (Department of Electrical and Computer Engineering, Illinois Institute of Technology), Chicago, Illinois,USA

2:24 ***Selective Clock Gating by Using Wasting Toggle Rate*** **(*Paper # 116*)**

Li Li, Ken Choi (Department of Electrical and Computer Engineering, Illinois Institute of Technology), Chicago, Illinois,USA

2:42 ***Ultra-Low power and High Speed Design and Implementation of AES and SHA1 Hardware cores in 65 Nanometer CMOS Technology*** **(Paper # 113)**

Ken Choi (Department of Electrical and Computer Engineering, Illinois Institute of Technology), Chicago, Illinois,USA

T4P (3:30 – 5:00 pm): Power Systems

Chair: *TBD*

Room: *Essex*

3:*30* ***Real-Time Observer for the Vector Control of an Induction Motor Drive (Paper # 109)***

Donald Gray, Zoltan Szekely, and Constantin Apostoaia, (Dept. of Electrical and Computer Engineering, Purdue University Calumet), Hammond, Indiana, USA

3:48 ***Neural Network Based Torque Control of Switched Reluctance Motor for Hybrid Electric Vehicle Propulsion at Low Speeds (Paper # 71)***

Dongyun Lu and Narayan C. Kar, (Dept. of Electrical Engineering University of Windsor), Windsor, Ontario, Canada

4:06 ***A Neural Network based Approach for the Detection of Faults in the Brushless Excitation of a Synchronous Motor (Paper # 120)***

Donald Gray, Ziang Zhang, Constantin Apostoaia, and Chang Xu, (Dept. of Electrical and Computer Engineering, Purdue University Calumet), Hammond, Indiana, USA

4:24 ***Turbine Control System Upgrade For Bruce Nuclear Plant Units 1 and 2 (Paper # 138)***

Steven Frank Gray and Samir Basu, (Siemens, Power generation), Atlanta, Georgia, USA

T5P (3:30 – 5:00 pm): Digital Hardware Design & CAD III

Chair: *TBD*

Room: *Malden*

3:*30 Fast Memory Addressing Scheme for Radix-4 FFT Implementation (Paper # 59)*

Xin Xiao, Erdal Oruklu and Jafar Saniie (Department of Electrical and Computer Engineering, Illinois Institute of Technology), Chicago, Illinois, USA

3:48 *NoC Prototyping on FPGAs: A Case Study Using an Image Processing Benchmark (Paper # 140)*

Thuan Le and Mohammed A. S. Khalid , (Electrical and Computer Engineering Dept.), University of Windsor, Windsor, Ontario, Canada

4:06 *Micro-Architectural Power Estimation and Optimization (Paper # 34)*

Babak Hidaji, Mohamad Reza Andalibizadeh, Salar Alipour, (Computer Science and Engineering department, Chalmers University of Technology), Gothenburg, Sweden

T6P (3:30 – 5:20 noon): Reconfigurable and Embedded Systems

Chair: *TBD*

Room: Tilbury

3:30 *UWindsor Nios II: A Soft-Core Processor for Design Space Exploration (Paper # 127)*

Omar A. Al Rayahi and Mohammed A. S. Khalid (ECE Dept., University of Windsor), Windsor, Ontario, Canada,

3:48 *Design of a Reconfigurable Robot-Based System for Material Deposition Applications (Paper # 74)*

Ana Djuric and Jill Urbanic (IMSE Department, University of Windsor), Windsor, Ontario, Canada

4:06 *Introducing Mechatronics Theme in the Undergraduate Mechanical Engineering Curriculum (Paper # 79)*

Nader Zamani, (MAME Dept., University of Windsor), Windsor, Ontario, Canada

4:24 *Performance Evaluation of SRAM Cells in 22nm Predictive CMOS Technology (Paper # 60)*

David Hentrich, Erdal Oruklu and Jafar Saniie (Department of Electrical and Computer Engineering, Illinois Institute of Technology), Chicago, Illinois, USA

4:42 *A Two-Type Data Cache Model A Two-Type Data Cache Model (Paper # 37)*

Subha, S., Independent Consultant ????