
ACMSE CONFERENCE SCHEDULE FOR PAPERS AND POSTERS

All paper presentations are Friday, March 25, 2011:

Paper sessions from: 9a-10:30a; 10:45a-12:15p; 1:15p-2:45p; 3p-4:30p

All poster presentations are Friday, March 25, 2011: 1:15p-3p

Friday, March 25, 2011: 9a-10:30a: Paper sessions 1, 2, 3, and 4 are parallel

Session 1 - Computing Education -1:
19. Jaime Nino: Designing an undergraduate curriculum based on parallelism and concurrency
20. John Hunt and Tim Willison: California Speedway: a concurrent programming project for beginners
23. William Jones and Brian Larkins: Integrating Digital Logic Design and Assembly Programming Using FPGAs in the Classroom

Session 2 – Robotics:
7. David Michal and Letha Etzkorn: A Comparison of Player / Stage / Gazebo and Microsoft Robotics Developer Studio
60. Brandon Shrewsberry, Ameen Kazerouni and Cliff Padgett: Using the NXT as an Educational Tool in Computer Science Classes
63. Steve Donaldson, Jesse Kawell and Chris Walling: Computer, Know Thyself: Exploring Consciousness via Self-Aware Machines
114. Gabriel Loewen, James Weston, Jackie O’Quinn, Ashraf Saad and Bradley Sturz: CRIEP: A Platform for Distributed Robotics Research

Session 3 – Algorithms and Databases:
73. Lauren Biggers and Nicholas Kraft: Quantifying the Similarities between Source Code Lexicons
95. Peiyi Tang and Erich Peterson: Mining Probabilistic Frequent Closed Itemsets in Uncertain Databases
120. Guangming Xing: Efficient schema extraction from a large collection of XML documents
123. Jigishaben Patel and Mustafa Atay: An Efficient Access Control Model for Schema-Based Relational Storage of XML Documents

Session 4 – Security:
11. Chad Teat and Svetlana Peltsverger: The Security of Cryptographic Hashes
52. Dawei Li and Xiaoyan Hong: Practical Exploitation on System Vulnerability of ProtoGENI
80. Bin Wu and Andy Ju An Wang: EVMAT: An OVAL and NVD Based Enterprise Vulnerability Modeling and Assessment Tool
86. Yingbing Yu: Anomaly Intrusion Detection Based Upon an Artificial Immunology Model
Friday, March 25, 2011: 10:45a-12:15p: Paper sessions 5, 6, 7, and 8 are parallel

Session 5 - Computing Education -2:
40. David Powell and Joel Hollingsworth: Requiring Web-based Cloud and Mobile Computing in a Computer Science Undergraduate Curriculum
61. D. Brian Larkins and William Jones: Targeting FPGA-based Processors for an Implementation-Driven Compiler Construction Course
85. Zhijiang Dong, Cen Li and Roland Untch: Build Peer Support Network for CS2 Students
117. Rance Necaise: Using the Color Image Quantization Problem as a Course-Long Project in CS

Session 6 – Parallel Algorithms and Architectures:
47. Dan Lo: Performance-Aware Multicore Programming
50. Nicholas Radcliffe, Layne Watson and Masha Sosonkina: A Comparison of Alternatives for Communicating with Spawned Processes (anonymous version)
83. Ferosh Jacob, Jeff Gray, Purushotham Bangalore and Yu Sun: A Platform-Independent Tool for Modeling Parallel Programs
97. Peiyi Tang and Doug Serfass: Parallelizing the Merge Sorting Network Algorithm on a Multi-Core Computer Using Go and Cilk

Session 7 – Algorithms:
2. Mustafa Atici: Graph Coloring: Color sequences and Algorithm for Color Sequence
39. Hala ElAarag and Derek Wells: A Novel Approach for Automated Music Composition Using Memetic Algorithms
41. Xiangyan Zeng, James E. Glover, Owen Hughes and Henning Stahlberg: 3D Reconstruction of 2D Crystals
66. Jan Durand and Travis Atkison: Using Randomized Projection Techniques to Aid in Detecting High-Dimensional Malicious Applications

Session 8 – Networks and Wireless Communications:
77. Michael Galloway: Performance Measurements of Coexisting IEEE 802.11g/n Networks
109. Sally Wahba and Jason Hallstrom: An Empirical Analysis of Radio Behavior in Embedded Networks
116. Farha Ali, Yvon Feaster, Sally Wahba and Jason Hallstrom: A Metadata Encoding for Memory-Constrained Devices
**Friday, March 25, 2011: 1:15p-2:45p: Poster session and Paper sessions 9 and 10 are parallel**

**Session 9 - Computing Education -3:**
78. Jian Zhang, Marie-Anne Demuynck and David Gardner: Engaging Non-Majors in Computer Literacy Courses
100. Lisa Jamba, Arturo Sanchez-Ruiz, A. Samuel Kimball and Linda Howell: Computational Thinking: Modeling Applied to the Teaching and Learning of English

**Session 10 – Artificial Intelligence:**
91. Joseph Shelton, Gerry Dozier, Kelvin Bryant, Joshua Adams, Khary Popplewell, Tamirat Abegaz, Kamilah Purrington, Damon Woodard and Karl Ricanek: Genetic Based LBP Feature Extraction and Selection for Facial Recognition
101. Brandon Baker, Kelvin Bryant and Gerry Dozier: GESLIC: Genetic and Evolutionary-Based Short-Length Iris Codes
105. Khary Popplewell, Gerry Dozier, Kelvin Bryant, Aniesha Alford, Josh Adams, Tamirat Abegaz, Kamilah Purrington and Joseph Shelton: A Comparison of Genetic Feature Selection and Weighting Techniques for Multi-Biometric Recognition
115. Lane Thames, Randal Abler and Dirk Schaefer: Parametric Optimization of Artificial Neural Networks for Signal Approximation Applications

**POSTER SESSION IS IN THIS TIME SLOT (1:15p-3:00p)!**
**Friday, March 25, 2011: 3p-4:30p:**

**Session 11 – High Performance and Simulation:**
10. Abinashi Dhungel and Michael Weeks: Performance Measurement for a Wavelet Transform-based Video Compression
54. Jiang Li: Remote Sensing Image Information Mining with HPC Cluster and DryadLINQ

**Session 12 – Software Engineering:**
1. Frank Tsui and Stanley Iriele: Analysis of Software Cohesion Attribute and Test Case Development Complexity
34. Ali Najafi, Nan Niu and Farzaneh Najafi: Multi-Level Decomposition Approach for Problem Solving and Design in Software Engineering
42. Ruchira Mathur, Kevin Keen and Letha Etzkorn: Towards a Measure of Object Oriented Runtime Cohesion based on Number of Instance Variable Accesses

**Session 13 – Innovative Applications:**
76. Jiatang Dong and Cen Li: A Comparative Study of the Classification Techniques in Isolated Mandarin Syllable Tone Recognition
88. Karl Smith, Michael Galloway and Susan Vrbsky: Reactive Power Management for Distributed Systems
90. Christopher Corsi, Robert Geist and James Westall: Methods for Computing NASCAR Tire/Track Intersections

**Session 14 – Game Design and Development:**
3. Bruce Johnson: A Lazy, Lightweight Algorithm for Generating Very Large Navigable Terrains
27. Dat Vu and Ken Hoganson: Student Projects: Security Robot Design
59. Jeremiah Shepherd, Jijun Tang, Renaldo Doe and Matthew Arnold: Lost in the Middle Kingdom: A Second Language Acquisition Video Game
106. Guillermo Gomez-Hicks and David Kauchak: Dynamic Game Difficulty Balancing for Backgammon
Friday, March 25, 2011: 1:15p-3:00p: POSTER SESSION

Regular Posters:
5. Shahabedin Salehghaffari and Nan Niu: An Evidence-Based Software Engineering Evaluation Approach
12. Rong Yang: Extensions Of Closeness Centrality
15. Gongbing Hong and Pradip Srimani: A Self-stabilizing Algorithm for Two Disjoint Minimal Dominating Sets in an Arbitrary Graph
16. Earl Forrest and Mohammad Fuad: Virtualization and Its Effect on Operating System
26. Ken Hoganson and Donald Amoroso: Inter-Disciplinary Doctor of Science
28. Dustin Heaton, Jeffrey Carver and Monica Anderson: Enabling Citizen Roboticians
32. Lewis Cawthorne: SMEE: A tool to extract sorting motif data from PubMed Central abstracts and full text documents
35. Dan Lo and Larry Wang: An Online Tutoring System with Instant Responses
43. Dan Lo, Andy Wang, Sarah North and Max North: A New Curriculum for Hardware-Based Network Intrusion Detection
44. Carl Arrington, Dale-Marie Wilson and Lorrie Lehmann: Improving Performance and Retention in Computer Science Courses Using a Virtual Game Show
56. Cen Li, Zhijiang Dong and Roland Untch: Preparation Station: A Practice Tool in an Online Social Network-Based Collaborative Learning Environment
64. Juan Carlos Flores Cruz and Travis Atkison: Digital Forensics on a Virtual Machine
65. Nathaniel Evans and Xiaohong Yuan: Observation of Recent Microsoft Zero-Day Vulnerabilities
67. Ingyu Lee: Parallel Random Number Generations For Monte Carlo Simulation
68. Yasmine Kandissounon and Radhouane Chouchane: A Fast Method for Attributing Toolkit-generated Malware to the Toolkit
75. Suk Seo and Peter Slater: Open Neighborhood Locating-Domination for Grid-like Graphs
79. Lewis Baumstark: Visualizing the Complexity of the United States Code
84. Medha Sarkar: Digital Democracy Simulation: A Prototype Development
87. Brian Eddy and Nicholas Kraft: Toward an Understanding of the Relationship between the Identifier and Comment Lexicons
93. Hongmei Chi and Xavier Simms: Enhancing Cryptography Education via Visualization Tools
96. Samantha Zambo and Wendy Zhang: Using GIS to Analyze Real Estate with Flood Zones
98. Rich Halstead-Nussloch: Utilizing Web Server Middleware for Development Environments and Student Projects
107. Cen Li, Sachintha Pitigala and Suk Seo: Identifying Training Sets for a Personalized Article Retrieval System
112. Longteng Xu and Chih-Cheng Hung: A Comparison on the Effectiveness of Different Similarity Measures for Image Classification
125. Will Davis and Hongmei Chi: Cyber Threat Analysis for University Networks via Virtual Honeypots
Friday, March 25, 2011: 1:15p-3:00p: POSTER SESSION

Student Posters:
36. Christine Talbot: Virtual Companions and Friends
38. Zachary Smith: Development of Tools to Manage Embedded SQL
62. Kevin Thompson: Improving Software Development and Robustness Through Multiagent Systems
89. Amy Eubanks: Catching Fireflies: A Persuasive Augmented Reality Game for Android Phones
118. Micheal Forkin, Percy Campos and Xiao Xu: Evaluating Gabor Preprocessing for SIFT-Based Ocular Recognition
122. Luke Markey: A Peer-To-Peer Checkers Program