



UNIVERSITY OF
SOUTH CAROLINA

2016 GAMECOCK COMPUTING RESEARCH SYMPOSIUM

Department of Computer Science and Engineering

University of South Carolina

Friday November 18, 2016

- Agenda:** **1:30 – 2:20** Poster set-up in Faculty Lounge (Swearingen 1A03)
 2:20 – 3:20 Poster presentations in Faculty Lounge by CSE Students
 3:20 – 4:15 Awards and faculty presentations in Amoco Hall

Poster Presentations

<u>Name</u>	<u>Poster Title</u>
Kareem Abdelfatah	<i>Analytical expectations of stacked Gaussian processes with applications in environmental sciences</i>
Mohammed Behbooei	<i>Multi-agent Path Planning on Graphs Using Sampling Methods</i>
De'Aira Bryant	<i>The Infant Smart Anklet for Infants At-Risk of Developing Cerebral Palsy</i>
Jie Cai	<i>Feature-level and Decision-level Audiovisual Fusion for Emotion Recognition in the Wild</i>
Chao Chen	<i>Sub-event detection on Twitter Network</i>
Asif Chowdhury	<i>Approximate Sampling using an Accelerated Metropolis-Hastings based on Bayesian Optimization</i>
Casey Cole	<i>An Exploration of the Energy Landscape of Dynamical Proteins Using NMR Data</i>
Adem Coskun	<i>Multi Robot Coordination</i>
Yuxin Cui	<i>Self-adjusting Nuclei Segmentation of Hematoxylin-Eosin Stained Histopathological Breast Cancer Images</i>
Bing Feng	<i>Yeast Phylogeny And Ancestor Reconstruction On Whole Genome Level</i>
Shervin Ghasemlou	<i>Beyond the planning potpourri: reasoning about label transformations on Procrustean graphs</i>
Dazhou Guo	<i>T1-Weighted MRI Lesion Detection on Functional Cortical ROIs</i>
Hao Guo	<i>Human Attribute Recognition Based on Attention via CNN</i>
Shizhong Han	<i>Incremental Boosting Convolutional Neural Network for Facial Action Unit Recognition</i>
Jie Hu	<i>Improving patent classification with Convolutional Neural Networks and word embedding</i>
Krishna Kalusani	<i>AEO-Light</i>
Rasha Karakchi	<i>High-Level Synthesis of A Genomic Database Search Engine</i>

<u>Name</u>	<u>Poster Title</u>
Jeremy Lane	<i>The QuasiNovo Peptide Sequencing Algorithm</i>
Xiaopeng Li	<i>Analyzing Consistency of Capture Time, Date and Location of a Single Outdoor Image via Sun Position</i>
Xiao Lin	<i>An Information Theoretic Sensor Placement Strategy for Monitoring Chemical Release Incidents</i>
Zhonghao Liu	<i>Geometry based General Prediction Model of Protein-Peptide Binding Affinities</i>
Zibo Meng	<i>Audiovisual Action Unit Recognition Using Feature Level Fusion</i>
Yang Mi	<i>Human Action Recognition in Videos Acquired by a Wearable Camera</i>
Hanin Omar	<i>Structure Calculation and Reconstruction of Discrete State Dynamics from Residual Dipolar Couplings using REDCRAFT</i>
James O'Reilly	<i>Occlusion-Resistant Gaze Estimation with Lower User and System Calibration Requirements</i>
Daniel Pade	<i>Strong PV Numbers of Degree 4</i>
Bridgette Parsons	<i>Automatic Generation of Multiple Models from a Single Data Set</i>
Xianshan Qu	<i>Damage Classification in Prestressed Concrete using Hierarchical Clustering of Acoustic Emission Signals</i>
Sharmin Rahman	<i>Underwater Cave Mapping using Stereo Vision</i>
Adel Rajab	<i>Countering Burst Header Packet Flooding Attack in Optical Burst Switching Network</i>
John Ravan	<i>Ensuring Consistent Transaction in a Web Service Environment with Prediction-Based Performance Metrics</i>
Konstantin Rubin	<i>Automated SoC Resource Mapping for Embedded Computer Vision Applications</i>
Robert Thomas	<i>Outsmart Traffic</i>
Xian Wu	<i>Needs assessment for Telewellness technologies among older adults with a mobility impairment.</i>
Marios Xanthidis	<i>RRT+: Fast Planning for High-Dimensional Configuration Spaces</i>
Ruofan Xia	<i>Phylogenetic Analysis On Textual Relationships</i>
Zheng Xiong	<i>Automated Phase Segmentation for Large-Scale X-ray Diffraction Data Using Graph-based Phase Segmentation (GPhase) Algorithm</i>
Hongkai Yu	<i>Groupwise Tracking of Crowded Similar-Appearance Targets from Low-Continuity Image Sequences</i>
Hazhou Yu	<i>Identifying Designs from Incomplete, Fragmented Cultural Heritage Objects by Curve-Pattern Matching</i>
Yan Zhang	<i>A Flexible Approach to Reconstruct Genomic Spatial Structure by Genetic Algorithms</i>
Kang Zheng	<i>Paragon: A Digital Collation System</i>
Mingxiang Zhu	<i>Agent Based Peer Influence Modal for Smoking Control</i>