2013 PhD Research Showcase Event



Hosted by: Dr. Christoph Eick Department of Computer Science

FRIDAY, FEBRUARY 8, 2013 10:00 AM - 3:30 PM

PGH 232

Schedule of the Event:

PGH 232 10:00 AM Christoph F. Eick Welcome and Overview of the Event

10:05 AM Jaspal Subhlok About Our Department

PGH 232 10:25 AM-12:05 PM STUDENT TALK PRESENTATIONS

Faculty Judges: S. Shah, R. Vilalta, E. Gabriel, I. Kakadiaris, L. Johnsson

PGH 563 10:30 AM-12:10 PM STUDENT TALK PRESENTATIONS

Faculty Judges: C. Ordonez, R. Verma, K.-H. Cheng, O. Johnson, I. Pavlidis, G. Chen

PGH 232 12:20 PM-1:50 PM Food, Entertainment, Q&A, and Surprises

PGH 5th Floor
 Hallways
 1:50 PM-3:30 PM
 STUDENT POSTER PRESENTATIONS
 N. Tsekos, Z. Deng, C. Yun, S. Huang, L. Shi

STUDENT TALK PRESENTATIONS

232 PGH:

1. Bassam Almogahed A Novel Oversampling Algorithm Based on Non-Cooperative Game Theory

2. Paul Amalaman Patch based Prediction Techniques

3. Zechun Cao A Methodology for Finding Uniform Regions in Spatial Data and its Application to Analyzing the Composition of Cities

4. Malcolm Dcosta Peri-Nasal Indicators of Deceptive Behavior

5. Christopher DeVito Cluster Analysis

6. Duc Duong Spatiotemporal Breathing Function Reconstruction

7. Dong Han Understanding Desktop Energy Footprint in an Academic Computer Lab

8. Charu Hans Automated, Quantitative Zebrafish9. Paul Hernandez Segmentation of 3D Tubular Structures

563 Talk Student Judges: Z. Liu (Lead), M. Joshi, J. Kemp, T. Kue, K. Kwon, Y. Li, Z. Pisheh, Moh. Rahman, V. Stepanyan, P. Sun, S. Taamneh

232 Talk Student Judges: P. Moutafis (Lead),

T. Nguyen, J. Qi, Mah. Rahman, R. Salmon, B. Sui,

D. Tian, G. Toti

563 PGH:

10. Yen Le Similarity-Based Appearance-Prior for Fitting a Subdivision Mesh in Gene Expression Images

11. Pranav Mantini Modeling Human Behavior using Geometric Constraints for Video Surveillance

12. Ahmad Qawasmeh A Compiler-Based Tool for Array Analysis in HPC Applications

13. Mario Rincon GPU-Accelerated Interactive Visualization and Planning of Neurosurgical Interventions
14. Nripun Sredar Adaptive Optics Imaging of the Optic Nerve Head for Early Detection of Glaucoma

15. Tayfun Tuna Lecture Video Indexing and Semantic Search
 16. Ilyas Uyanik Interfacing Real-Time Ozone Information

17. Sujing Wang Spatial Clustering

18. Avinash Wesley Eustressed or Distressed? Combining Physiology with Observations in Human Studies

STUDENT POSTER PRESENTATIONS

5th FLOOR HALLWAYS:

1. Ayodunni Aribuki

S. Yotov, U. Dotson

Quantifying the Performance of Cache-Based Versus Scratchpad-Based Memory Organizations for Scientific Applications

Poster Student Judges: K. Dhar Gupta (Lead),

A. Cabrera, L. De Moraes, P. Dou, P. Hao, S. Jana,

Wei Ding A Similarity-Based Analysis Tool for Scientific Applications Porting
 Deepak Eachempati Supporting Optimized Execution of Coarray Fortran Programs with the OpenUH Compiler

4. Apurva Gala Gait-Assisted Person Re-identification

5. Hakan Haberdar Video Synchronization as One-Class Learning
 6. Son Hoang A Pattern Recognition Approach for Learning Tracks of Heavy-Ion Particles in Timepix Detectors

7. Binh Le Smooth Skinning Decomposition with Rigid Bones
 8. Kshitij Mehta Parallel I/O for High Performance Computing

9. Huy Nguyen On Budgeted Influence Maximization Problem in Social Networks

10. Swaroop Pophale OpenSHMEM: Benchmarks & Library Extensions

11. Behnaz Sanati Maximizing Job Benefits on Multiprocessor Real-Time Systems using Online Choice of Approximation Algorithms

12. Meenakshi Sharma DNA Methylating Analysis for Next Generation Sequencing Data

13. Khai Tran

Social Cues in Group Formation and Local Interaction for Collective Activity Analysis

14. Guillaume TranSonTay An Efficient Hemodynamic Workflow in Computational Surgery

15. Roberto Valero Kernel Properties

16. Vishwanath Venkatesan High Performance Parallel File I/O for Distributed Memory Systems

17. Xu Yan Modeling Local Behavior for Multi-Person Tracking

18. Lijuan Zhao Semi-Automated Registration of 3D Torso Images form Breast Reconstruction Surgery

19. Waleed Faris Communicating with ALPS: The Building of a Natural Language Processor

20. James LaGrone A Task Synchronization Extension for OpenMP

