

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	<i>Food, Entertainment, Q&A, and Surprises</i>	
PGH 5th Floor	1:50 PM-3:30 PM	STUDENT POSTER PRESENTATIONS	
Hallways	Faculty Judges:	N. Tsekos, Z. Deng, C. Yun, S. Huang, L. Shi	

STUDENT TALK PRESENTATIONS

232 PGH:

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| 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 Zebrafish |
| 9. Paul Hernandez | Segmentation of 3D Tubular Structures |

232 Talk Student Judges: P. Moutafis (Lead), T. Nguyen, J. Qi, Mah. Rahman, R. Salmon, B. Sui, D. Tian, G. Toti

563 PGH:

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| 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 |

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

STUDENT POSTER PRESENTATIONS

5th FLOOR HALLWAYS:

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| 1. Ayodunni Aribuki | Quantifying the Performance of Cache-Based Versus Scratchpad-Based Memory Organizations for Scientific Applications |
| 2. Wei Ding | A Similarity-Based Analysis Tool for Scientific Applications Porting |
| 3. 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 |

Poster Student Judges: K. Dhar Gupta (Lead), A. Cabrera, L. De Moraes, P. Dou, P. Hao, S. Jana, S. Yotov, U. Dotson

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