

## October 8 Computer Science PhD Showcase Event

The *first-ever UH Computer Science PhD Research Showcase Event* has been scheduled for *Friday, October 8, 2010 10a-4:30p*. The event will give our PhD students the opportunity to present the research they are involved with. PhD students will give 9-10 minute oral presentations that describe their research. Moreover, the event will be augmented with presentations of general interest for our PhD population. In general, we hope that this event will deliver valuable information to our new PhD students, will provide you with valuable feedback and information for your PhD studies, and will showcase the research of our department. Participants are expected to attend all parts of the event. Participants for the event have to be registered; the registration for the event closed on October 1, 2010. Below you find the **updated** schedule for the event.

CHRISTOPH F. EICK

First PhD Showcase Event Department of Computer Science

October 8, 2010 from 10a-4:30p

232 and 563 PGH

Schedule of the Events

Version7

10:00-10:05a: Christoph F. Eick: Welcome and Overview of the Event (232 PGH)

10:05-10:20a: Jaspal Sublok: The State of the Computer Science Department (232 PGH)

10:20a-12:50p: Student Presentations (Last Name Navas- Yeniaras; 232 and 563 PGH, 2 groups of 10 students)

12:50p-1:55p: Lunch and Panel Discussion "*How to be successful in your PhD Studies*"; panelists include Rong Zheng, Ricardo Vilalta, Ioannis Kakadiaris, Edgar Garbriel, Zhigang Deng (232 PGH)

1:55-4:30p: Student Presentations (Last Name Ahn-Mendizabal in 232 and 563 PGH, 2 groups of 11 students)

### Student Presentation Schedule

Group A from 10:25a-12:50p in 563 PGH

1. Mario F. Navas, (Ordonez); [Fast computation of PCA and Bayesian Variable Selection with SQL and UDF's](#)
2. Huy Nguyen (Zheng); [Binary Independent Component Analysis: Theory and Applications in Networking](#)
3. Francisco Oceguedo-Hernandez, (Vilalta); [A Hierarchical Classification Approach for Automatic Mapping of Martian Landforms](#)

4. Oluwasoji Omiwade, (Zheng); Progressive Decoding for Distributed Networked Storage Systems
5. Sasi Kumar Pitchaimalai,(Ordonez): K-means Based Bayesian Classifier Integrated Inside a DMBS
6. Waree Rinsurongkawong (Garbey); Interactive Data Mining to Drive Experimental Plan
7. Malek Smaoui, (Garbey); Volunteer Computing for Multimodal Function Optimization Using Parallel Genetic Algorithms
8. Philip Trevino, (Johnson); Edu Sun
9. Khuong Vu, (Zheng); Applications of computational geometry in wireless sensor network
10. Jatindera Walia (Zheng); STOSSIM : Storage Tossim : A Simulator for TinyOS that simulates the Storage and the flash chips

#### Group B from 10:20a-12:45p in 232 PGH

1. Vadeerat Rinsurongkawong, (Eick); Mining Multiple Related Spatial Datasets
2. Min Chih Shih, (S. Huang); An Automatic Diagnosis of Chronic Lymphoid Leukemia by Flow Cytometry Data
3. Ning Situ, (Zouridakis); Skin Cancer Screening with Auxiliary Labels
4. Benjamin Soibam, (Shah); A bioinformatics platform for analysis of transcription regulation from deep sequencing data and Quantitative analysis of directional persistence in animal locomotion
5. Tarun Wadhawan (Fofonov); SkinScan: Melanoma detection using embedded handheld devices
6. Sujing Wang, (Eick); A polygon-based methodology for mining related Spatial Datasets
7. Avinash Wesley (Pavlidis); A Thermal Approach to Facial Expression Recognition
8. Meng-Hung Wu (Zouridakis); Developing a Methodology to Classify Spatial Temporal Brain Connectivity Networks
9. Xuqing Wu, (Shah); A Discriminative Framework for Cytological Image Segmentation
10. Erol Yeniaras, (Tsekos); A Computational System for Planning and Performing MRI-Guided and Robot-Assisted Aortic Valve Implantation Surgeries

#### Group C from 1:55-4:30p in 563 PGH

1. Chun-Sheng Chen, (Eick); Non-parametric Density-based clustering and regional knowledge extraction from Spatial Datasets
2. Zhibo Chen, (Ordonez); Efficient OLAP within the DBMS
3. Deepak Roy Chittajuna, (Kakadiaris); Computational Methods for the Extraction of Cardiovascular Disease Biomarkers from Non-contrast CS data
4. Yuichi Fujiki (Pavlidis); Physical Activity patterns of Humans – Monitoring, Modeling, and Intervening
5. Apurna Gala, (Shah); Person Reacquisition in Distributed Wide Area Surveillance Scenarios

6. Carlos Garcia-Alvarado, (Ordonez); [Keyword search and query recommendation in a DBMS](#)
7. Hakan Haberdar, (Shah); [Video-Based Patrolling Using a Mobile Platform](#)
8. William Holtkamp, (Johnson); [PADS: Profile-Based Adaptive Difficulty System](#)
9. Qing Li (Deng) [Dendritic Spine Detection from Multi-Photon Excitation Microscopy Images](#)
10. Xiaohan Ma, (Deng); [Perceptually Guided Facial Animation](#)
11. Gerardo Mendizabal, (Kakadiaris); [Computational methods for the analysis of IVUS RF data](#)

### Group D from 1:55-4:30p in 232 PGH

1. Yong Woon Ahn, (A. Cheng); [Improving Quality of Service Guarantees for Real-Time Streams over Best-Effort Wireless Networks](#)
2. Rakhi Anand, (Gabriel); [VolpexMPI: an MPI Library for Execution of Parallel Applications on Volatile Noctis](#)
3. Mohammed Awad, (Leiss); [Safeguarding the Electoral Process](#)
4. Chaitanya Belwal, (A. Cheng); [Response Time Analysis of P-FRP](#)
5. Mohammed Charawi, (Gabriel); [Optimizing Performance of Parallel I/O Operations for High Performance Computing](#)
6. Waleed Faris (KH Cheng); [Building a Natural Language Interface for ALPS](#)
7. Saber Feki, (Gabriel); [Runtime Adaptation of High Performance Computing Applications](#)
8. Ying Wei Kuo (S. Huang); [Stepping-Stone Detection in Manipulated Network Environment](#)
9. James LaGrone, (Chapman); [Fine-grained synchronization in OpenMP](#)
10. Bo Liu, (A. Cheng); [Energy-Aware Online Scheduling](#)
11. Chintu Kshitij V. Mehta, (Gabriel); [Exploring Parallel I/O for Shared Memory Platform using Posix Threads](#)