# 2014 PhD Research Showcase

**Hosted by:** Prof. Ioannis Kakadiaris  
**Department of Computer Science**  
**FRIDAY, FEBRUARY 28, 2014**  
**9:00 AM – 5:15 PM; PGH 232**

## Schedule of the Event

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Welcome &amp; Overview – Prof. Shishir Shah</td>
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<tr>
<td>9:00 AM</td>
<td>UHCS Points of Pride – Prof. Jaspal Subhlok</td>
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<tr>
<td>9:15 AM</td>
<td>Oral Presentations</td>
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<tr>
<td>11:45 AM</td>
<td>LUNCH</td>
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<tr>
<td>12:30 PM</td>
<td>Keynote Speaker – Prof. Roberta Ness: “So You Think You Can Innovate?”</td>
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<tr>
<td>12:45 PM</td>
<td>Oral Presentations</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Poster Presentations – A.D. Bruce Religion Center, 2nd Floor Atrium Lounge</td>
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</tbody>
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## ORALS

1. Bassam Aminogahed: "Toward Resolving the Data Imbalanced issue in Supervised Learning Problems"
2. Wei Ding: "Detecting Stepping-Stones Under the Influence of Packet Jittering"
3. Deepak Sachdeva: "Implementation and Optimization Techniques for Fortran 2008"
4. Waleed Fares: "Communicating with ALPS: The Building of a Natural Language Processor"
5. Apurva Gala: "Person Re-identification for Distributed Wide Area Surveillance"
6. Binhe Le: "Marker Optimization for Facial Motion Acquisition and Deformation"
7. Yen Le: "PDM-ENLR: Learning Ensemble of Local PDM-based Regressions"
8. Meenakshi Sharma: "Detecting Altered Methylation States Using High Throughput DNA Sequencing"
9. Munara Tolubeeva: "Compile Time Modeling of Off-Chip Memory Bandwidth for Parallel Loops"
11. Xu Yan: "Modeling Local Behavior for Multi-Person Tracking"
12. Paul Hernandez: "One Class Classification for Segmentation of Neurons"
13. Lituan Zhao: "Automated Detection of Breast Contours in 3D Images of the Female Torso"

## POSTERS

1. Fatih Adag: "Creating Polygon Model for Spatial Clusters"
2. Paul Amajian: "PASTFINDER: A New Biariate Decision Tree Induction Approach"
3. Junmo An: "Localization and Tracking of an MR Compatible Manipulator with Computer-Controlled Optically Detunable Inductively Coupled RF Coils"
4. Malcolm Dcosta: "Domain Adaptation Under Data Misalignment: An Application to Cepheid Variable Star Classification"
5. Kinjal Dhar Gupta: "Volume Decomposition via Generalized Sweeping"
6. Tao Feng: "Context-Aware Touch Screen Based User Identity Recognition Under Uncontrolled Environment"
7. Xinfeng Gao: "Structured Peri-Nasal indicators of Deceptive Behavior"
8. Ushashi Ghosh: "Extraction of Underlying Soil Structure from Seismic Data Using Data Mining Techniques"
11. Rheongwon Kwon: "Interfacing Information in User Studies with Mixed Methods"
12. Yu Li: "Scheduling Transparent Real-Time Virtual Resources"
13. Pranav Mantini: "Context Based Trajectory Forecasting"
15. Ahmad Qawasmeh: "OpenMP Observability via Collector APIs and Tool Support"
17. Remi Salmin: "Modeling and Simulation for Breast Conserving Therapy"
18. Nirupam Sredar: "Examining In vivo Changes in Optic Nerve Head of Non-Human Primates During the Progression of Experim ental Glaucoma"
19. Peng Sun: "High Level Programming Model for Heterogeneous MPSoCs Using Industry Standard APIs"
20. Salah Aldeen Saeed: "What Sympathetic Responses Can Tell About Children's Performance in Reading"
21. Xiaonan Tian: "OpEnH – An Open Source OpenACC Compiler"
22. Tayfun Tunca: "Text Based Indexing to Ease Navigation in Lecture Videos"
23. Ilyas Uyanik: "Revealing Walking Behaviors via a Mobile App"
25. Cheng Wang: "High-Performance Parallel Sparse FFT Algorithms for Multicore CPUs and GPGPUs"
26. Rengan Xu: "Reduction Operations in Parallel Loops for GPGPUs"