

Program Addendum

Program Schedule:

Wednesday, September 30th - PhD Forum 2 (9:30-10:30am)

Beth Mynatt will not be in attendance. Susanne Hambrusch (Purdue) will be the mentor for this session.

Wednesday, September 30th - PhD Forum 3 (11:00am - 12:00pm)

Andrea Danyluk will not be in attendance. Ellen Zegura (Georgia Tech) will be the mentor for this session.

Wednesday, September 30th - Jo Miller's Panel (3:45-5:00pm)

A Person of Influence - In real life

Debra Danielson, Sr. Vice President, CA has withdrawn from the panel. Romea Smith, Sr. Vice President - Support, CA will attend in her place.

Thursday, October 1 - Session 1 (10:00am - 11:00am)

Steering Committee Recommendation Track

MAGICal Learnings from 1-1 Mentoring of Middle School Girls

Liz Daoust is unable to attend.

Additional presenters are students from the Girls Middle School:

Cassiel Moroney
Holly Nguyen
Julia Goldman
Smriti Pramanick

Thursday, October 1 - Session 1 (10:00am - 11:00am)

Technical Track: Designing Systems that Gain Public Trust: Simplicity, Transparency, and Security in e-Voting Systems

Marshall Scorcio will not be presenting

Thursday, October 1 - Session 1 (10:00am - 11:00am)

Technical Track: A Cryptographic Solution for Patient Privacy in Electronic Health Records

Josh Benaloh and Kristin Lauter will not be presenting.



Thursday, October 1 - Session 2 (11:15am - 12:15pm)

Industry Track: The Imposter Panel

Amy Karlson and Meredith Ringel Morris have withdrawn from this panel.

Thursday, October 1 - Session 2 (11:15am - 12:15pm)

Technical Track: Opportunities and Challenges of Interdisciplinary Research

Beth Mynatt has withdrawn from the panel. Maria Ebling from IBM will attend in her place.

Thursday, October 1 - Women of Color Lunch (prior R.S.V.P. required) (12:15pm-1:30pm)

Invited Speaker: Sabrina Coleman (BioMarin Pharmaceutical Inc.)

Thursday, October 1 - Session 3 (3:15 pm - 4:15pm)

Industry Track: How we did it - Breaking through the Glass Ceiling

Debra Danielson will not be able to attend. Romea Smith, Sr. Vice President - Support, CA will attend in her place.

Thursday, October 1 - Session 3 (3:15 pm - 4:15pm)

Technical Track: Open Source Community Development

Silona Bonewald will not be able to attend.

Thursday, October 1 - Session 3 (3:15 pm - 4:15pm)

Have You Considered Becoming an Entrepreneur?

Location: Tucson B-D

Leila Chirayath Janah (Samasource) will not be able to attend. Kjerstin Erickson (Forge) will attend in her place.

Thursday, October 1st - NEW SESSION: Code Sprinting with Jen Redman (4:00-8:00pm)

Room: Tucson A

Combine coding with networking at the Systems Code Sprint! Join us for a working session to help improve the technology behind the Systems' community. Want to get involved in future Systems' Summer of Code projects as a mentor or student -- stop by the Systems Code Sprint for more information. Visit <http://systems.org/wiki> for Systems Code Sprint details - including development environment setup and the sprint task list.

Thursday, October 1 - Session 4 (4:30pm - 5:30pm)

Birds of a Feather Sessions/SRC/Robotics

Support Groups for Women in STEM: International Perspectives

Kate Tsouklas has withdrawn from this session.



Friday, October 2 - Session 5 (10:00am - 11:00am)
Student Track: Women Researching Women: Gateways to Technology-enabled Socio-economic Development
Nithya Sambasivan has withdrawn from this session.

Friday, October 2 - Session 7 (1:45pm - 2:45pm)
High Throughput Computing on the Open Science Grid (OSG) Infrastructure
Presenter: Alina Bejan (Open Science Grid)
This 30 minute session has been cancelled. A replacement talk is pending by Britta Daudert.

Friday, October 2 - IGNITE Talk (2:00pm - 4:00pm)
Presenter: Kassie Bowman (Raytheon)
This presentation will give an overview of MathMovesU, a program developed by Raytheon to encourage middle schoolers to pursue engineering. This program has touched over 700,000 students, teachers, and parents since it started in 2005. One of the exciting developments this year is a new sponsorship at Epcot® at the Walt Disney World® Resort called the Sum of All Thrills™, an interactive experience to instill a passion for engineering principles.

Friday, October 2 - Session 8 (3:00pm - 4:00pm)
Technical Track: A Walk in the Clouds - Industry Leaders Talk About Cloud Computing and What It Means to Them
Victoria Coleman has withdrawn from this panel. She will be replaced by Anugeetha Kunjithapatham, also from Samsung. Jalaja Kurubarahalli has withdrawn from the panel.

Friday, October 2 - Session 8 (3:00pm - 4:00pm)
Theme Track: Networking Women in Computing in a Global Context
Dorcus Muthoni and Nodumo Dhlamini have withdrawn from the panel.

Friday, October 2 - Session 8 (4:15pm - 5:15pm)
NEW SESSION: WomenBuild Workshop - Room: San Luis 1-2
Ultimately, attendees of this workshop will find ways to unleash their creative thinking and transform ideas into concrete concepts. In this workshop, attendees participate in an environment of rich, interactive experiences by modeling real-life business challenges and solutions with LEGO(r) Bricks as part of the LEGO(r) SERIOUS PLAY Program (LSP). WomenBuild opens minds to exciting and inspirational ideas on how to be a thought leader in the technical field. We work together in small groups to brainstorm and problem solve in a collaborative and productive way.



These posters were added to the poster session from the DREU: Distributed Research Experiences for Undergraduates held over the summer:

(In Alphabetical Order by Title)

A Metropolis Monte Carlo Algorithm to Compute Low-energy Structures of an RNA Chain

Presenter: Rachael Chung (UNC-Charlotte)

With: Amarda Shehu (George Mason University)

A Metropolis Monte Carlo Algorithm to Compute Low-energy Structures of an RNA chain RNA is essential to organisms and assumes various structures and functions that are not all understood. We compute tertiary RNA structures from knowledge of its nucleotide sequence. This is important, as structure often determines function. We used NAST to implement a Metropolis Monte Carlo search for tertiary structures. Future work will focus on comparing the program outcomes to known RNA structures. This will allow us to clarify functions of RNA.

Conflict and Care: How Conflict Online Affects the Experiences of Individuals with Chronic Illness

Presenter: Kateryna Kuksenok (Oberlin College)

With: Jennifer Mankoff (Carnegie Mellon University)

Online health resources are riddled with contradictory, incomplete, and uncertain information. Our work focuses on understanding the conflicts surrounding a particularly controversial chronic illness, Lyme disease, which is characterized by vocal and organized community both online and offline. We analyze interview and survey data to explore the issues of conflict that patients with this illness face and identify design implications, such as visualizations to help explain various viewpoints involved.

Data Models for Automatically Generating Tests for Web Applications

Presenter: Kathryn Baldwin (University of Delaware)

With: Sara Sprenkle (Washington and Lee University)

Current approaches to automatic test case generation for web applications do not attain all the goals of representing user behavior, maintaining good code coverage, and reducing the number of test cases. Through analyzing user sessions, we identify factors that impact values in user sessions, and use these results to develop a set of data models for automatic test case generation.

Energy Efficient Synchronization Techniques for Embedded Architectures

Presenter: Samantha Wood (Bryn Mawr College)

With: Cesare Ferri (Brown University), Iris Bahar (Brown University)

Embedded applications in multimedia, imaging, and communications all have a high degree of exposed thread-level parallelism. However, managing concurrency is not easy, and doing so in an energy efficient manner is even harder. In our work we target embedded systems, which are resource and energy constrained. Therefore, we focus on simple Hardware TM (HTM), which has minimal demand on resources, with the main design goal of energy efficiency.



Faceted Metadata Based Searching and Browsing on Home Computer File Systems

Presenter: Ishita Verma (Indiana University Purdue University Indianapolis)

With: Lorrie Cranor (Carnegie Mellon University)

Faceted Metadata Based Searching and Browsing on Home Computer File Systems Traditional file system environments use hierarchical directories. However, such a model is not necessarily natural to end users. In this research we developed an interface which allows users to browse files solely by their metadata. In a user study it was seen that users were able to locate files, faster and with fewer mistakes than when using Windows XP file explorer, and they also expressed their liking for the interface.

Improving Query Processing on Imprecise Data Streams

Presenter: Eugenia Gabrielova (Northwestern University)

With: Magdalena Balazinska (University of Washington), Julie Letchner (University of Washington)

Many applications depend on low-level data (e.g., from location sensors like RFID), which can be modeled with imprecise, correlated streams. Lahar is a system that warehouses and processes queries on such streams, returning a set of query answer probabilities. Some queries return many partial matches, which wastes computing resources. This poster presents a tool developed to improve the efficiency of Lahar by reversing and processing uncertain streams and queries.

Prototyping Custom Devices Using Infrared Communication

Presenter: Kyle Rector (Oregon State University)

With: Jennifer Mankoff (Carnegie Mellon University), Scott Hudson (Carnegie Mellon University)

Rapid prototyping of physical user interfaces (PUIs) is beneficial for designers if both the "look and feel" of a device and interaction with the system come together early in the design process. Existing toolkits which address this however constrict the creative design of parts, thus limiting on the "look and feel" at the cost of easy interaction. This contribution makes the process of designing customizable PUIs easier for the designer.

Visual Versus Compact: Displaying Privacy Settings on Social Network Sites

Presenter: Katherine Froiland (University of Minnesota, Morris)

With: Heather Richter-Lipford (University of North Carolina, Charlotte)

As social network sites increase in popularity, so do privacy issues. In an effort to establish relationships, users share vast amounts of personal information; however, failure to moderate sharing results in a number of risks. Although privacy settings exist, their interfaces are difficult to understand and configure. Therefore, we examined two alternative interfaces (Audience View and Expandable Grids) in an attempt to improve the usability of existing privacy settings interfaces.

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