UAB CI Day Agenda

Alumni Auditorium, HUC[1]
September 16, 2010

8:30 - 9:00 am   Registration & Coffee

9:00 - 9:15   *Welcome and Overview of UAB CI Day 2010*
     David L. Shealy, Ph. D., Prof. & Chair of Physics
     Director of IT Research Computing
     http://www.uab.edu/it/ and click Researchers

9:15 - 9:45   *Powerful Next Generation Sequencing Analysis Using Galaxy and a Web Browser*
     Glen Otero, Ph.D.; Dell HPC Computer Scientist for the Life Sciences
     http://www.delltechcenter.com/page/Meet+the+Gang

9:50 - 10:20   *Computational Chemistry in a Distributed Computing Environment*
     David A. Dixon, Ph.D., Robert Ramsey Professor of Chemistry
     The University of Alabama
     http://www.bama.ua.edu/~chem/people/faculty/dixon/dixon.html

10:25 - 10:40   Coffee Break

10:40 - 11:00   *Developing UAB Cloud Computing*
     John-Paul Robinson, UAB IT Research Computing

11:05 - 11:25   *Recent Advances in Services from the Alabama Supercomputer Authority*
     David Young, Ph.D., HPC Computational Specialist, CSC
     Alabama Supercomputer Center
     Alabama Research and Education Network

11:30 - 11:50   *University of Alabama System RON Update*
     Bob Cloud, Executive Director, UAB IT Infrastructure Services

Noon - 1:30pm   Lunch Break

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[1] Hill University Center Auditorium, located on campus at the corner of 14th street south and University Boulevard. Birmingham , Alabama.

UAB CI Day Afternoon Agenda

1:30 - 2:50   *Overview of Research Computing Applications, part I*
           David L. Shealy, Session Chair

1:30 - 1:50   *Computational Structural Biology*
           Jere Segrest, Professor of Medicine M.D., Med-Gerontology,
           Geriatrics, Palliative Care

1:50 - 2:10   *Human Behavior Neuroscience*
           Kristina Visscher, Ph.D., Department of Neurobiology
           http://www.neurobiology.uab.edu/Visscher_Lab/Research.html

2:10 - 2:30   *Dynamic simulations of olfactory receptor-odorant interactions.*
           Chiquito Crasto, Ph.D., Assistant Professor in Genetics

2:30 - 2:50   *Research Enabled by NIH SIG award*
           Jelai Wang, System Programmer Lead, Section on Statistical Genetics,
           Department of Biostatistics, www.ssg.uab.edu

2:50 - 3:05   Coffee Break

3:05 - 4:05   *Overview of Research Computing Applications, part II*
           David L. Shealy, Session Chair

3:05 - 3:25   *Overview of caBIG and Its Uses at UAB*
           John Sandefur, MBA, MSHI, CISSP; Information Systems Manager
           UAB Comprehensive Cancer Center

3:25 - 3:45   *Overview of DASI (Data Access and Sharing Initiative) at UAB*
           Matthew Wyatt, MSHI, Biomedical Informatics, UAB Center for Clinical
           and Translational Science and Information Services, UAB Health System

3:45 - 4:05   *The UAB Research Repository: A pilot project between Lister Hill Library*
           and the School of Optometry
           Elizabeth R Lorbeer, Associate Director for Content Management, Lister Hill
           Library of Health Sciences

4:05 -   Wrap up discussion and closing Q&A