

UAB Research Computing Day 2011

Agenda

- 9:00 - 9:05 Welcome and Overview
 - 9:10 - 9:45 *Sustaining - and Growing - Research Computing Services at a Research I University*, Ruth Marinshaw, Assistant Vice Chancellor, Research Computing, Information Technology Service, University of North Carolina, E-mail: ruth_marinshaw@unc.edu, Web: <http://its.unc.edu/Research/index.htm>
 - 9:45 - 10:20 *Galaxy: A Web-based Platform for Accessible, Reproducible, and Transparent High-throughput Biology*, Jeremy Goecks, PhD, Research Fellow in the Taylor Lab at Emory University, E-mail: jeremy.goecks@emory.edu, Web: <http://bx.mathcs.emory.edu/>
- 10:25 - 10:45 Coffee Break
 - 10:45 - 11:15 *UAB IT Research Computing Services Update*, Bob Cloud, David Shealy, John-Paul Robinson
 - 11:15 - 11:45 *UAB IT Strategic Plan for Research Community*, E. Douglas Rigney, PhD, PE, Interim Vice President for Information Technology, Professor, Biomedical Engineering
- 11:45 - 1:15 Poster Session and Lunch

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- 1:15 - 2:30 Biomedical Sciences and Engineering Applications
 - 1:15 - 1:40pm: *Genotype calling for next-gen sequencing data*, Degui Zhi, PhD, Assistant Professor, Department of Biostatistics, University of Alabama at Birmingham. E-mail: dzhi@ms.soph.uab.edu .
 - 1:40 - 2:05: *Preferred Odorant Binding Sites and Olfactory Receptor Function*, Chiquito J. Crasto, PhD, Assistant Professor, Division of Research, Department of Genetics, University of Alabama at Birmingham. Tele: 205-996-7083; E-mail: chiquito@uab.edu .
 - 2:05 - 2:35: *Challenges in data acquisition, storage and processing for NIH funded studies*, Stephen Barnes, PhD, Professor of Pharmacology, University of Alabama at Birmingham. Tele: 205-934-7117; FAX: 205-934-6944; E-mail: sbarnes@uab.edu.
 - 2:35 - 3:05pm: *The Web of Linked Data and Informatics for the One Computer*, Jonas S Almeida, PhD, Professor, Director of Div. Informatics, Dept Pathology, University of Alabama at Birmingham. Tel: (205) 975-3286, email: jalmeida@uab.edu, cv: <http://jonasalmeida.info>
- 3:05 - 3:20 Coffee Break

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- 3:20 - 4:20 Science and Engineering Applications Session
 - 3:20 - 3:40: *TAH - Update on UAB MATLAB campus license*, David L Shealy, PhD, Professor and Chair, Dept Physics, University of Alabama at Birmingham. Tele: (205)934-8068; FAX (205)934-8042; E-Mail: dls@uab.edu.
 - 3:40 - 4:00: *Computing in network modeling*, Xujing Wang, Associate Professor, Dept Physics, University of Alabama at Birmingham. E-mail: xujingw@uab.edu
 - 4:00 - 4:20: *Improving Application Performance*, John-Paul Robinson, System Architect Research Computing, IT Research Computing, LHL 164, zip 0013; Office telephone number: (205) 975-0124; Facsimile telephone number: (205) 975-2855; E-mail: jpr@uab.edu and Thomas Anthony, IT Intern and Graduate Student in Computer Engineering; E-Mail: tanthony@uab.edu ; Tele: (205) 410-8698.
- 4:30pm -- closing remarks/discussions of issues that need to be resolved.

Program Committee

- David L Shealy, Prof/Chair Physics, Director IT Research Computing, dls@uab.edu
- Charles W Prince, Prof Nutrition Sciences Ph.D., princecw@uab.edu
- Elliot J Lefkowitz, Assoc Prof Microbiology, ElliotL@uab.edu
- Paul D Gamlin, Prof/Chairman Vision Science, pgamlin@uab.edu
- Bharat Soni, Prof/Chairman Mechanical Engineering, bsoni@uab.edu
- Anthony Skjellum, Prof/Chairman, Computer & Information Science, skjellum@uab.edu
- Jonas S Almeida, Prof/Director Div Informatics, Dept Pathology, jalmeida@uab.edu
- John-Paul Robinson, System Architect Research Computing, IT, jpr@uab.edu
- Purushotham V Bangalore, Assoc Prof Computer & Information Science, puri@uab.edu
- Degui Zhi, Assist. Prof, Section on Statistics Genetics, Biostatistics, dzhi@uab.edu
- Jelai Wang, System Programmer Lead, Section on Statistical Genetics, Biostatistics, jelaiw@uab.edu