

UAB Research Computing Day 2011

Agenda

Alumni Auditorium, Hill University Center¹
September 15, 2011

- 8:30 - 9:00 am Registration & Coffee
- 9:00 - 9:05 *Welcome and Overview of UAB Research Computing Day 2011*
David L. Shealy, Ph. D., Prof. & Chair of Physics
Director of IT Research Computing
<http://docs.uabgrid.uab.edu/wiki/Welcome>
- 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, Executive Director, UAB IT Infrastructure Services;
BobCloud@uab.edu; David L. Shealy, PhD, Professor & Chair of Physics, Director of IT Research Computing, dls@uab.edu; John-Paul Robinson, System Architect Research Computing, jpr@uab.edu
- 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 - 1:15pm Lunch Break and Poster Session

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

UAB Research Computing Day 2011: Afternoon Agenda

- 1:15 - 3:05 *Biomedical Sciences and Engineering Applications*
David L. Shealy, Session Chair
- 1:15 - 1:40 *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 - 3:05 *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
- 3:20 - 4:20 Science and Engineering Applications Session
David L. Shealy, Session Chair
- 3:20 - 3:40 *TAH - Update and Using the UAB MATLAB Campus License*
David L Shealy, PhD, Professor and Chair, Department 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, Department of 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
Thomas Anthony, IT Intern and Graduate Student in Computer Engineering; E-Mail:
tanthony@uab.edu ; Tele: (205) 410-8698
- 4:20 - 4:30 Wrap up discussion and closing Q&A