



Research & Development Committee Meeting Minutes

Date: Tuesday, May 10, 2016

Time: 1:00 PM - 2:30 PM

Location: University Hall, Room 420B (Collaboration Space)

Present: Bruce Burton, Chris Collins, Jane Combs, Brett Harnett, Matt Hartman, Michal Kouril, John Kennedy, CJ Kim, Kurt Roberts, Larry Schartman, Jane Strasser, Phil Taylor, John Wallrodt

Guests: Tom Beck, Professor, A&S Chemistry, Chair, Ohio Supercomputer Center
Brian Guilfoos, HPC Client Services Manager, Ohio Supercomputer Center
Kent Meloy, Asst. Director Creative Team, Center for Excellence in E-Learning
Lorin Parker, Asst. Professor, CCM E-Media
Megan Pfaltzgraff, Director of IT, CEAS
Bo Vykhovanyuk, Asst. Vice President, UCIT Information Security

Apologies: Ted Baldwin, Behrad Bagheri, Rich Beck, Kristen Burgess, Adam Chekour, Steven Doehler, Elaine Miller, Michael Richardson, Leslie Schick, Xia Wang

1. Review and Approve Minutes

- Larry Schartman motioned to approve the previous month's meeting minutes. John Kennedy seconded the motion. The committee unanimously approved the April meeting minutes with no changes.

2. Old Business (update on Action Items from previous meeting)

- **UCScienceNet Expansion RFP – Bruce Burton:** Five responses were received in response to the RFP. Preliminary interest expressed by Environmental Health, UC Libraries & Scholar@UC, CECH, and Geography.
- **Cyberinfrastructure Engineer & Educator (CI2E) position – Jane Combs:** Position has been posted on Success Factors. Responsibilities include managing UCScienceNet (network engineering), outreach and

Research & Development Committee

Committee Chair

Jane Combs

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Committee Co-Chair

Brett Harnett

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Current Committee

Members

Ted Baldwin
Richard Beck
Kristen Burgess
Bruce Burton
Adam Chekour
Steven Doehler
Matt Hartman
John Kennedy
Changjoo Kim
Michal Kouril
David Linger
Elaine Miller
Michael Richardson
Kurt Roberts
Larry Schartman
Leslie Schick
Jane Strasser
Phil Taylor
John Wallrodt
Xia Wang

Graduate and

Undergraduate students

Behrad Bagheri (G)

Meeting Schedule:

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education for researchers, and interface to Ohio Super Computer Center.

- **UC Libraries: Data Management Survey results** – 197 responses to the survey, which included some questions about HPC. Library staff are analyzing the results.

3. UC Analytics Summit – Jane Combs

- UC Analytics Summit: Real World Impact of Business Analytics, May 20, 2016
- Hosted by the College of Business at the Sharonville Convention Center.
- Jane Combs will be attending and has discount codes for interested committee members.

4. Maker Advocates Group – Jane Combs

- Jane Combs and other members of the Maker Advocates group met with representative from MIT to discuss their experience with creating makerspaces, they provided information and templates from their planning process. Members of the student Maker Enthusiasts group on campus will be cataloguing existing makerspaces on campus.

5. Cooperative Application Development User Community (CADUC) – Brett Harnett

- The Cooperative Application Development User Community (CADUC) is for groups within UC, Children's Hospital and UC Health who provide application development and want to leverage existing expertise across the institutions. <https://chi.uc.edu/caduc>
- Initial website lists members and areas of expertise to help developers network and provide resources for one another.

6. Ohio Super Computer Center Presentation – Guest Speaker

- Brian Guilfoos, HPC Client Services Manager and Tom Beck, Professor, A&S Chemistry, and Chair, Ohio Supercomputer Center presented information about OSC services and new cluster.
- OSC users include 25 universities around the state of Ohio, ~1,300 users, and 450 projects using 161 million core-hours, 4+ million jobs run.
- More than 21 new faculty joined OSC from the University of Cincinnati last year, and UC is in the top tier of grant awards from the center.
- Typical uses include (use by core-hour): mathematical and physical sciences (33%), engineering (18%), geosciences (9%), biological, behavioral, and social sciences (7%), and computer and information science engineering (3%). Remaining use by industry (10%) and miscellaneous or unreported categories. Increasing use by engineering, computer science, and social sciences.
- Q: Is cybersecurity an increasing use? A: Computer scientists often don't play well since they want to break/customize things, but yes, this use is increasing.
- Q: Is OSC Federal Information Security Management Act (FISMA) compliant? What about HIPAA and Patient Health Information (PHI) compliance? A: Not sure, Brian will contact the appropriate OSC representative to get more information. Industry has protected information on the system, including export control projects, and possibly patient health information has been stored for other projects, so the answer may be yes.
- OSC is currently upgrading all three storage services and installing a new cluster, with limited production starting in August 2016, and full production expected by November 9, 2016 when facilities projects are complete. Some uncertainty in those dates since many moving parts, but currently on schedule.

- OSC has invited UC to join the pilot condo partnership model to lease nodes on the new cluster, other partners include Ohio State University, Case Western, and others. Services include system administration, savings on hardware, priority access to condo resources, and 24/7 support.
- Current pricing: Node lease: \$3,682/year – 2 Intel Broadwell 2.3 GHz chips/node, 128GB RAM, Infiniband EDR, Storage: \$240/TB/year, Dedicated staff: \$100,000/year, client-specific facilitation, software stack maintenance, and software development assistance. Lease includes hardware maintenance and upgrades.
- Q: How do faculty or students get access? A: To receive resources, faculty or students may apply for grant from OSC for core-hours, proposal should include details about project work, publications that are planned.
- Q: We have heard reports that it is difficult to get an account? A: We are looking to simplify the process for new users.
- Please contact Jane Combs combsje@ucmail.uc.edu for questions or more information.

7. Office of Research Update – Phil Taylor

- Office of Research will be sponsoring several fall initiatives, including Team Science seminars, grant writing workshops, how to write center proposals, and other events. A Centers Retreat will be held in January 2017, and a Research Mentoring event to recognize mentors will be held in the spring. See the handouts provided at the meeting for more information.

Follow-Up Items

- **All** – Send questions about Ohio Supercomputer Center services to Jane Combs (combsje@ucmail.uc.edu).
- **All** – Send questions about Office of Research upcoming events to Phil Taylor (philip.taylor@uc.edu)

Adjournment

- The committee adjourned at 2:37 PM. Minutes submitted by Chris Collins.