

Research Computing Advisory Committee

Meeting agenda, January 13th 2016

Introductions

- Introduction to the new committee members and overview of the committee purpose.
- General discussion on the value of the alignment between research computing resources and scientific initiatives at a strategic level.

Overview of the status of research computing

- Review of activities in the past period.
- Summary of the research computing workshops conducted in the fall.
- Plan for the activities/workshops in the spring semester.
- Discussion of communication plan and ideas for better promotion of the activities.
- Proposal to collect all resources for research computing in one place, including software licenses, hardware, cloud services and training.
- Identification of externally funded programs in this space.

Agenda for next meeting

- The come up with proposed action items until we meet again.

Adjournment

Notes:

Meeting attendees: Drs. Szwilski, Smith, Cecchetti, Prewitt, Maher. Regrets: Zatar, Somerville

After quick introduction, the meeting focused on discussing research interests.

Cecchetti brought the subject of security with low interest from certain clinicians, Aractingi mentioned the opportunities of research related to end to end trust & security by internet2 and the joint workshop with IEEE and NSF in Feb 4th 2016 at GW in DC. (The workshop is by invitation and the link to request one is [here](#)). Szwilski reported on his visit with colleagues from MU to NSF/NAVSEA Big Data & Cybersecurity Workshop at WVU and the many opportunities in the cyber security space but currently no expertise exists on campus to pursue those and identified a need to acquire new facility with those skills.

Aractingi pointed out that part of the role of this group is to bridge between disciplines and that with the growing engineering/computer science department and the more use of technology in health care, there are opportunities to engage CS graduate students with clinicians or medical student working together to leverage wearables, health sensors, fitness application and mobile tools. Cecchetti agreed and emphasized on smartphones and data management, specifically as portable hospital tools and patient services.

Cecchetti also reported work done in Marshall Health on REDCAP for cardiology and the use of it as an online survey tool that could potentially become another subject in sharing across campus.

Prewitt raised the importance of sharing between faculty and researchers around campus as many are not aware of what resources or projects exist in other colleges and sometimes within the same college and called for this group to suggest ways to help facilitate sharing. Smith suggested conducting similar workshops and visits that were done last year during grant preparation.

Cecchetti reported on some work done in bioinformatics and collaboration with groups in UKY and UPITT. Prewitt brought up telehealth as an opportunity, examples were mentioned one of which was dental hygienists roaming and visiting rural areas and Maher referenced using existing capabilities and resources for telehealth.

Maher emphasized on stimulating faculty interest and requesting deans support especially in promoting grantsmanship workshop attendance as well as pursuing subjects that are being funded. He also suggested targeted recruiting of skillful researcher in those disciplines.

Prewitt discussed how the motion capture indoor/outdoor help in eye-hand coordination and GPS or drone use in research, especially with CEGAS initiative to utilize drones on some projects. Prewitt also noted that a list of existing research project on campus broken down by college will be helpful

Aractingi suggested to follow up in few weeks and schedule the meetings as monthly since there are many discussions to resume.

Meeting adjourned