Governance Committee

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The Voiland College of Engineering and Architecture, in coordination with other departments, decided to put together a VCEA HPC Oversight (or Governance) Committee. In the fall of 2015, members were chosen to represent the faculty for each department/school and present themselves as a point of contact to other researchers.

The Goals

- Educate other researchers about the service, support, and options available for research.
- Set policies and priorities for access to the system.
    - new faculty
    - faculty who have contributed
    - faculty who have not contributed
- Set policies and priorities for maintaining and expanding the system.
- Set policies and practices for financial support of the system.
- Assist during the faculty recruitment process for candidates with HPC needs.

The Committee

Committee Chair

Joe Vaughan has worked in air quality forecasting and other aspects of atmospheric science since the late 1980s. In collaboration with associates at WSU's Laboratory for Atmospheric Research and in the NW-AIRQUEST (Northwest International Air Quality Environmental Science and Technology Consortium), Joe has been involved in the development of the AIRPACT (Air Indicator Report for Public Access and Community Tracking) AQ-forecasting system since 2000. Joe engineered the original AIRPACT version, which in 2001 was the first high- resolution, daily AQ-forecasting system operating in the USA; and he has continued being involved in development of the system up through the system AIRPACT-5 in 2017, and in mentoring students doing projects with AIRPACT. Joe has extensive Linux and cluster computing user experience and he has supported both the acquisition and growth of VCEA's Linux cluster computing and network resources and the training of students in related skills.

VCEA Area Technology Officer

Tony Burt is the VCEA Director of Information Technology and Area Technology Officer. His role is to support engineering research computing. His team makes recommendations to the research faculty, such that equipment acquisitions, server investments, and storage investments meet their needs now and in the future.

HPC Systems Administrator

Andrew Bates joined VCEA in 2015 as a Linux Systems Administrator. Focused on improving HPC design, implementation, and maintenance policies, Andrew seeks to make HPC affordable, available, and reliable. Andrew's expertise in Unix systems, networking, storage, and free & open source software have helped facilitate this pursuit.

Material Mechanical Engineering

Scott Beckman represents the School of Material and Mechanical Engineering.

Soumik Banerjee is the sit-in representative.

Electrical Engineering and Computer Science

Aravind Sukumaran Rajam is an assistant professor in the School of Electrical Engineering and Computer Science. His research interests include high-performance computing, Automatic parallelization, machine learning, compilers, and domain-specific computing

Civil and Environmental Engineering

Jenny Adams represents the School of Civil and Environmental Engineering.

Liu Mingliang is the sit-in representative.

Chemical Engineering and Bio-engineering

Alla Kostyukova is an assistant professor in the School of Chemical Engineering and Bio-engineering. She will be stepping into the position of associate professor on August 16th, 2017. Alla's research interests include: protein structure, protein-protein interactions, and engineering proteins with desired properties. Alla uses molecular dynamics simulation to predict changes, caused by mutation, in protein structures.