

Facilities, Equipment and Other Resources

PI **NAME** is a faculty member of the School of Electrical Engineering and Computer Science (EECS) at Oregon State University (OSU). OSU is a Carnegie Doctoral/Research Extensive university and is also one of only two institutions in the US designated as a land, sea, space, and sun grant institution. Below, we present the facilities and equipment available for the **investigator(s)** use in the proposed research.

Network Environment: OSU has been active in the development of high performance networks at the campus, regional, and national levels for many years. At the campus level, OSU's LAN environment has evolved significantly over time to support the needs of the campus community and is currently being upgraded to support Infiniband Ethernet connections to primary network locations and research centers. Wireless networking access in support of ubiquitous computing efforts is provided throughout all buildings in the College of Engineering.

Human Resources: The School of EECS at OSU has an enrollment of over 3600 undergraduate students and about 500 graduate students. There are 60 tenured and tenure-track faculty members who are involved in research and graduate instruction. A number of teaching faculty members, graduate research assistants, graduate teaching assistants, and the technical and clerical staff provide additional support for the School's instructional and research activities. Computing services are supported by three full-time systems support managers in the School of EECS, and five full-time managers in the College of Engineering.

Computational Facilities: The School of EECS at OSU provides access to a special high-performance computing facility, which consists of a cluster of high-end processors running Linux with the SunGrid Environment (SGE) scheduling package. The College of Engineering has also recently invested in 6 NVIDIA DGX-2 servers, each with 16x NVIDIA Tesla V100 GPUs, 512GB of RAM, 81,920 CUDA cores, and dual Intel Xeon Platinum processors which provide state-of-the-art graphically intensive computational power. The College also completed necessary upgrades in the associated power, high speed network, high speed infiniband, and enterprise disk storage to support the NVIDIA DGX-2 units. **ANYTHING SPECIFIC ABOUT COMPUTATIONAL FACILITIES FOR THIS PROPOSAL?**

Lab and Office Space: The School of EECS at OSU provides office space for all faculty, staff, and graduate research assistants funded by external grants. The School also maintains five computer science research labs: the Heterogeneous Computing Laboratory, the Laboratory for Joint Research in Artificial Intelligence and Parallel Computing, the Laboratory for Empirical Studies of Software Testing, the Laboratory for Software Engineering and Programming Languages Research, and the Interactive Graphics and Vision Laboratory (IGVL). **ANYTHING SPECIFIC ABOUT LAB SPACE FOR THIS PROPOSAL?**

Instructional Facilities: The School of EECS at OSU offers an extensive heterogeneous network for use in research and graduate instruction. The School's instructional facilities include a total of 83 x86-compatible systems, 90 Macintosh G4 systems, 60 Sun Sparc workstations, in addition to high-end Sun and x86 file servers. Both research and instructional systems are supported by a wide range of software in current versions, a variety of printers, including several laser printers, several color printers, and several scanners.

Major Equipment: **ANYTHING SPECIFIC ABOUT MAJOR EQUIPMENT AVAILABLE TO PI OR co-PIs THAT WOULD BE USED TO CONDUCT PROPOSED RESEARCH?**

Other Resources: ANYTHING SPECIFIC TO PROPOSED PROJECT?