

Computational Resources

- Five, twelve-core workstations for code development, post-processing and visualization, and a 640-core Linux cluster for code validation are available in the Dr. Lee's lab. He has guest faculty appointment with the Mathematics and Computer Science Division at the Argonne National Laboratory and has an access to computational facilities associated with Argonne. These resources include major parallel computing clusters such as IBM Blue Gene/Q (Mira/Cetus/Vesta), visualization systems, advanced display environments, collaborative environments, and high-capacity network links. The PI also has an access to the City University of New York (CUNY) High Performance Computing Center (HPCC) located on the 204 acre campus of the CUNY College of Staten Island, which provides the computational resources required by CUNY faculty, students, and researchers. Dr. Lee participated in procuring these machines through NSF MRI grants. CUNY HPCC operates six computer systems including Cray XE6m with a total of 1280 processor cores, SGI cluster with 744 processor cores, and 96 NVIDIA Fermi Processor accelerators.
- A 192-processor Apple X-serve cluster in the Energy institute.
- High-performance Computing Center of CUNY
- Access to various national NSF computer centers