

Naval Postgraduate School Networks

NPS is committed to implementing the latest in optical high speed networking architectures, technologies, and trends to support cutting edge university research. NPS is a member of the Corporation for Educational Network Initiatives in California (CENIC) and participates with higher education research institutions throughout the nation through this partnership and association as a connector with Internet2 networks and other networks worldwide. NPS participates in strategies and discussions related to campus/regional/national/international deployment initiatives to the optical grid with CENIC, our Educational Research Network (ERN) provider. NPS has just completed its campus network upgrade to a state of the art 10G+ optical backbone, and will soon have multiple 10G connections to CENIC and other network providers. With this networking infrastructure in place to the world, cloud computing architectures (including unique file system and high speed transport protocol technologies), High Performance Computing (HPC) clusters and distributed grid computing , virtualization, advanced network security applications, next generation optics and control planes, and network visualization tools for high bandwidth applications will enhance breakthrough research activities for the next decade. This core infrastructure will be ready for 100G network applications in the years ahead, set by the solid network infrastructure today.