

RENCI, Duke to Build Experimental Networking Infrastructure

Written by Ilya Baldin

Monday, 12 December 2011 14:18 - Last Updated Monday, 12 December 2011 14:23

RENCI at the University of North Carolina, Chapel Hill and Duke University in partnership with IBM will lead a new project to build a nationwide test bed for networking and networked cloud computing. The project is part of NSF's Global Environment for Network Innovation (GENI) initiative, which enables researchers to explore networks of the future. The National Science Foundation (NSF) awarded just over \$2 million to the three-year ExoGENI project, led by Ilya Baldine, director of RENCi's networking research group and Jeff Chase, a Duke University computer science professor.

The project will deploy and operate 13 ExoGENI sites at research universities and labs across the U.S. The project will use software based on the Open Resource Control Architecture (ORCA) to control the networked cloud infrastructure. The project team developed the ORCA platform in earlier NSF-funded research and extended it for use in the GENI initiative.

More details in
[this press-release](#)