

The First GENI Research and Educational Experiment Summer Camp

The Global Environment for Network Innovation (GENI) infrastructure is becoming a mature virtual laboratory for exploring future Internet at-scale. It supports at-scale experimentation on shared and heterogeneous GENI resources among multiple users, permits users deep programmability throughout the network, and offers collaborative and exploratory environments for innovative research and education. More and more researchers, educators, and students have started or are starting to conduct research and educational experiments on the GENI infrastructure. NSF has sponsored more than 15 GENI experiment projects since September 2010. Please refer to www.geni.net for more information.

This summer camp provides participants with the opportunity to learn and use the various tools available in the GENI environment through tutorials, labs, and a team-based project. Undergraduate and graduate students and faculty at different-level colleges are welcome to apply. Industrial attendees are welcome too.

Overview:

- ✓ Introduction to GENI racks and GENI resources including ProtoGENI and PlanetLab
- ✓ OS installation and configuration for GENI experiments
- ✓ Familiarity of OMNI tools and introduction to Flack, INSTOOLS, OpenFlow, and PrimoGENI
- ✓ Gain hands-on lab experience with multiple GENI resources and use them to develop a team-based project
- ✓ Lab sessions with GENI experts who will help you design and begin your experiment

Program Details

Duration: 5/29/2012-6/2/2012

Location: Rochester Institute of Technology,
Rochester, New York

Stipend: \$200

Lodging: Covered

Travel: Covered up to \$400

Application deadline: April 15th, 2012

Application inquiry and submission:
genisummercamp2012@gmail.com

Application: (1) **Your resume** including name, gender, country of citizenship, title, and, if a student, current year in degree path and when the degree is expected; (2) **A short (1-2 pages) description** of why you are interested in the summer camp, your expectations, areas of interest for GENI experiments, and, if applicable, your experience with GENI; (3) For student applicants, a **support letter** from the student's advisor is needed to confirm the expected benefits to the applicant; and (4) **An estimate of travel cost.**

Preference will be given to those who will continue to use GENI resources for their research and education after the summer camp and present their papers in the 2013 GENI Research and Educational Experiment Workshop.

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