

The First GENI Research and Educational Experiment Workshop

**Jointly with the 13th GENI Engineering Conference (GEC 13)
Los Angeles, CA**

March 15-16, 2012

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.

This is a one-day workshop in the afternoon of March 15 and in the morning of March 16, jointly with GEC 13 in Los Angeles. It is to report the recent progress and explore future direction of GENI from an experimenter's point of view. As a result, it will inspire researchers and students to conduct experiments on multiple GENI resources, and provide a communication channel among GENI experimenters and between GENI developers and GENI experimenters for a better understanding of multiple GENI resources and the shaping of the GENI development plans through their sharing of experiment experiences. It is expected that the workshop would tentatively include a keynote speech, paper presentations, an experimenter panel/open discussion, and tutorials and demos on GENI components.

We will strongly encourage participations not only from current GENI developers and experimenters but also from researchers and students who are not previously involved in GENI but wish future GENI projects and/or requests for NSF/BBN funding to build a larger community of researchers and students using the GENI infrastructure. The workshop will benefit GENI developers by shaping their GENI development plans, benefit existing GENI experimenters by providing a better understanding of GENI resources, and benefit new comers through future GENI projects and funding.

While the workshop theme is **GENI for cloud computing**, we are soliciting GENI related research and educational papers in **all areas** of computer science and GENI resource tutorials. The research papers may include regular papers that report research results based on GENI experiments and short papers that report work-in-progress using GENI resources. The educational papers may include, but are not limited to, curriculum and lab developments using the GENI infrastructure. GENI resource tutorials will guide experimenters to use existing and new GENI resources.

We are also pleased to announce that Dr. Jeff Chase, Professor of Computer Science at Duke University and Co-chair of the NSF GENI Control Framework Working Group, will be giving a keynote address in the workshop.

Partial travel support from BBN-GPO/NSF may be available.

Important Dates:

- Paper submission deadline: 2/15/2012
- Acceptance notification: 2/26/2012
- Workshop: March 15-16, 2012 (jointly with GEC 13)

Submission Instructions:

Format of Manuscript: All submissions should follow the IEEE 8.5" x 11" two-column format. Paper submissions should not be more than 8 pages and tutorial submissions should not be more than 2 pages. Below is a guideline.

- Long paper (8 pages max) - research or education
- Short paper (4 pages max) - research, education, or works-in-progress
- Tutorial proposals (2 pages max) - describe what will be covered (i.e., a description/tentative outline of the actual tutorial)

Send your submission in PDF or questions to GENI-workshop2012@rit.edu with an indication of whether or not you need partial travel support.

Please contact us at the above email or one of the workshop co-organizer if you have any questions.

Workshop Co-organizers:

Kaiqi Xiong (Rochester Institute of Technology)
Yong Guan (Iowa State University)
Yin Pan (Rochester Institute of Technology)
Bing Wang (University of Connecticut)
Mark Berman (BBN-GPO)

Workshop Committee: (Incomplete)

Jeannie Albrecht (Williams College)
Mark Berman (BBN/GPO)
Yong Guan (Iowa State University)
Yin Pan (Rochester Institute of Technology)
Niky Riga (BBN/GPO)
Bing Wang (University of Connecticut)
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Workshop sponsors:

BBN-GENI Program Office/National Science Foundation