The International Workshop on Computer and Networking Experimental Research
Using Testbeds (CNERT 2014)

Friday, October 24th, 2014, co-located with ICNP in Chapel Hill, NC
[http://icnp14.cs.unc.edu]

Experimentation has played a very important role in advancing research in computing. Although simulation is an important tool for studying and analyzing the behavior of new protocols and algorithms, it is essential that new research ideas be validated on real systems and testbeds.

This workshop will bring together researchers and technical experts to share experiences and advance the state of the art in experimental research in areas such as networking, distributed systems and cloud computing. It aims to inspire researchers to use testbeds in novel and interesting ways as a means to validate research ideas. Of particular interest are experiments on publicly available testbeds such as GENI, PlanetLab, Emulab, Orbit, Ofelia, and so on. Authors are encouraged to include references to detailed experiment setups that will enable others to extend their work.

We solicit papers with experimental results from areas including, but not limited to:
- Future Internet architectures
- Wired and wireless network protocols
- Computer and network security
- Software defined networking (SDN)
- Sensor networks
- Cloud computing and big data
- Distributed applications such as content delivery networks
- WiMax communications and services
- Social networks
- Network economics and pricing

Experiments may be from areas including, but not limited to:
- Experiment design and deployment
- Instrumentation and Measurement
- Evaluation and analysis of experiment data
- Design for repeatability and reproducibility
- Creation and sharing of datasets of broad interest to the community
- Tools and services for testbed users and operators
- Large-scale experiments
- Experiments on federated testbeds
- Testbed implementation and deployment

Presentations at the workshop will be strongly encouraged to include a demonstration. Authors should indicate in their papers if they think that such a demonstration is feasible. All papers will go through a thorough review process by experienced researchers who will provide constructive feedback.

CNERT 2014 will offer **best paper** and **best demo awards.**

Important Dates
Abstract submission deadline: 7/6/2014
Paper submission deadline: 7/10/2014
Acceptance notification: 8/2/2014
Final camera-ready paper: 8/16/2014

Submission Instructions
Format of Manuscript: All submissions should follow the IEEE standard 8.5" x 11" two-column format at the link:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Research/education regular paper submissions should not exceed 6 pages, while short paper submissions should not exceed 4 pages. All the papers should be submitted through Easychair system (https://www.easychair.org/conferences/?conf=cnert2014).

Contact Information
Please send inquiries to CNERTworkshop@gmail.com.

Workshop Sponsors
National Science Foundation (NSF) will provide a limited number of travel awards.