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IMPORTANT DATES

Submission **June 3, 2012**
Notification **June 28, 2012**
Workshop **August 22, 2012**

THEME

In the face of complex and dynamic networking capabilities, networked applications need to operate in very challenging environments. These challenges stem from high delay, such as inter-planetary networks, limited power, such as sensor and wildlife monitoring networks, new communication environments, such as underwater networks, communication in settings that lack infrastructure, such as rural and remote areas, and military battlefields, or simply environments where it is difficult or expensive to use the existing infrastructure, social and vehicular networks. Essentially, challenged networks are found in everyday settings, when access to traditional infrastructure is non-existent, restricted, expensive, overly complex, or rapidly changing.

After the success of the previous Workshop on Delay-tolerant Networking (WDTN-05) and the Workshop on Challenged Networks (CHANTS'06), CHANTS'07, CHANTS'08, CHANTS'09, CHANTS'10 and CHANTS'11, this year CHANTS will take place jointly with ACM MobiCom 2012 in Istanbul, Turkey.

While uses strive to communicate in these challenged environments, traditional internet protocol architectures fail to provide effective support. Given the expectation of intermittent connectivity, heterogeneous mix of nodes, nodal churn, and widely varying network conditions, the goal of the challenged network engineer is to design and implement communication that expect and so operate effectively in this diverse range of conditions.

CHANTS provides an ideal venue for researchers and engineers to present cutting-edge work and results in the field of challenged networks. The workshop solicits papers and demos addressing the following topics:

- Delay/disruption-tolerant networks (DTNs)
- Architecture, design, implementation, and evaluation of communication systems for challenged networks
- Case studies involving real challenged network solutions in various stages of development or use
- Analysis and characterization of challenged networks and protocols
- Applications in challenged networks (disaster relief and emergency management, vehicular networks)
- Configuration, management, and monitoring of challenged networks
- Security/Privacy concerns and solutions in challenged networks
- Real-world mobility traces of challenged environments
- Test and simulation tools for evaluating challenged network systems
- Applications challenged networking techniques to communication in daily life

SUBMISSION REQUIREMENTS

All submitted papers will be carefully evaluated based on their originality, significance, technical soundness, and clarity of expression. Submissions must be in English, no longer than 6 pages with 10 point font and in PDF format, and use the ACM templates (http://www.acm.org/sigs/publications/proceedings-templates). All fonts must be embedded within the PDF and be Type 1 (scalable).

Demo proposals should be submitted following the exact same guidelines of full papers, except for the page limit that is fixed to 2 (two) pages. Accepted proposals will be included in the proceedings.

Papers will be reviewed single blind.