

CALL FOR PAPERS

Sigcomm 2005 - Workshop on Delay Tolerant Networking and Related Networks (WDTN-05) (to be held with SIGCOMM 2005: Aug 20-26, 2005, Philadelphia, PA, USA)

Goals

Today, the most successful network architecture is that of the Internet. It has scaled well beyond the original plan of its designers, and the Internet Protocol has been carried on a great number of underlying protocols, including itself. However, the Internet's protocol architecture suffers some problems when implemented on classes of networks for which it was not originally designed. For example, when disconnection and reconnection is common, or link performance is highly variable or extreme, one or more of the traditional Internet protocols do not work well. In this workshop, we wish to explore physical networks that operate significantly differently from wired, connected networks and the protocol architectures and algorithms used to deal with such situations. Techniques for making applications tolerant to disruptions and/or high delays are also requested. More specifically, we solicit papers in the following areas:

- (a) Physical characteristics of performance-challenged networks
- (b) Networking systems operating over unusual/challenged networks
- (c) Protocol design and evaluation of operations over challenged networks
- (d) Robust network application design and implementation techniques

Submissions ranging from presentations of specific systems or network system performance to more general, philosophical position papers as to what to do about them are welcome. Papers that bring out interesting and novel ideas at an early stage in their development are favored over highly polished, journal-style results. Selected papers will be forward-looking, with impact and implications for ongoing or future research.

Paper Format and Submission Instructions

Submitted papers must be no more than 8 pages long, with no characters in smaller than 10 point fonts. Submit papers via the WDTN-05 submission site: <http://blizzard.cs.uwaterloo.ca/DTNCRP>

Papers will be reviewed single blind.

Program Committee

Kevin Fall	Intel (organizer)	Jon Crowcroft	Cambridge Univ.
Ellen Zegura	Georgia Tech	Eric Brewer	UC Berkeley
Milica Stojanovic	MIT/Woods Hole	Amin Vahdat	UC San Diego
Christophe Diot	Intel	Deborah Estrin	UCLA
S. Keshav	Waterloo (organizer)	John Heidemann	USC/ISI
Robert Durst	MITRE	Supratik Bhattacharyya	Sprint/ATL
James Sterbenz	Univ. Massachusetts		

Deadlines

Submission deadline:	April 6, 2005
Accept deadline:	May 10, 2005
Camera ready deadline:	June 1, 2005