

# The 3<sup>rd</sup> International Workshop on Delay/Disruption-Tolerant Mobile Networks

(In conjunction with ICDCS 2008)

Beijing, China, June 20, 2008

## Important Dates:

Paper Submissions: Dec. 15, 2007

Notification: Feb. 11, 2008

Final Version: March 9, 2008

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## CALL FOR PAPERS

Mobile communication has experienced an explosive growth since close to quarter of a century. In particular, the mobile ad hoc network technology has attracted significant attention in the last decade or so due its challenging research problems, and span off such new research areas as mesh-based mobile networks and sensor networks. What characterizes nearly all of those mobile technologies is that during the exchange of information between the source and destination terminals, there exists a set of links which constitutes an end-to-end path over which the information is communicated. In some application scenarios, however, the connectivity between the mobile stations is poor due to very sparse network conditions (low node density) or due to unstable connectivity conditions (interference, fading, etc), and thus it is difficult to form a well-connected mesh network for transmitting data through end-to-end connections. In fact, even if there temporarily exists a path in the network for some portion of the communication, it is likely that the terminals will only be intermittently connected due to mobility. As a result, data are delivered in a store-carry and forward paradigm in such networks. Examples include vehicular networks, mobile sensor networks, deep space communications, etc.

In this workshop we aim to explore novel research issues related to Delay (or Disruption)-Tolerant Mobile Networks (DTMN) and bringing together state-of-the-art contributions in this emerging area.

Topics of interest include but are not limited to:

- New Network Architectures and Applications
  - Mobile sensor networks
  - Vehicular networks
  - Heterogeneous mobile networks
  - Delay-tolerant applications
- Protocol Design and Optimization
  - Delay-tolerant transport protocols
  - Mobility/disruption-aware routing protocols
  - Reliability and fault tolerance
  - Energy, processing power and storage requirement
  - Mobility modeling and mobility management
  - Localization and location management
  - Nodal synchronization
  - Security, privacy and incentives for co-operation
  - Resource allocation and QoS support
- Performance Analysis and Evaluation
- Testbed Implementation and Experimental Results

**Paper submission:** Papers are solicited in the IEEE proceedings format with up to eight (8) pages. Blinded submissions in PDF format must be sent to [wu@cacs.louisiana.edu](mailto:wu@cacs.louisiana.edu) no later than December 15, 2008. Please include the authors' names and affiliations in the email body only. You will receive a confirmation within 24 hours. All submissions must be original prior unpublished work and not under review elsewhere. All papers will be reviewed blindly and selected based on their originality, merit, and relevance to the workshop. Accepted papers must be presented at the workshop, and will appear in the ICDCS workshop proceedings. Please email [wu@cacs.louisiana.edu](mailto:wu@cacs.louisiana.edu) if you have any questions.

**Workshop web site:** <http://www.cacs.louisiana.edu/~wu/DTMN08/>.