AIMS AND TOPICS OF INTEREST:

As the amount of streaming data produced by large-scale systems such as environmental monitoring, scientific experiments and communication networks grows rapidly, new approaches are needed to effectively process and analyze such data. There are several promising directions in the area of large-scale distributed computation, that is, where multiple computing entities work together over partitions of the massive, streaming data to perform complex computations. Two important paradigms in this realm are continuous distributed monitoring (i.e., continually maintaining an accurate estimate of a complex query), and distributed and cluster-based systems that allow the processing of big, streaming data (e.g., IBM System S, Apache S4, and Twitter Storm).

The aim of the BD3 workshop is to bring together computer scientists with interests in this field to present recent innovations, find topics of common interest and to stimulate further development of new approaches to deal with massive dynamic and distributed data.

Topics of interest include (but are not limited to):

- Novel architectures for BD³
- Extensions to existing models for BD³
- Algorithms for mining and analytics for BD³
- Query processing in BD³
- Efficient communication protocols for BD³
- Languages and structures for BD³
- Theoretical basis and hardness for BD³
- Engineering case-studies in BD³
- Position papers on challenges and new directions in BD³
- Privacy issues in BD³
- Energy efficiency and reliability in BD³
- Scheduling and provisioning issues in BD³

We encourage the submission of both novel research papers, as well as vision papers in the area of BD3. Moreover, papers that present important recent results and innovations but also discuss future directions, or work-in-progress papers that have the potential to stimulate debate on existing solutions or open challenges are also especially encouraged.

Besides paper presentations, time will be allocated to open discussion forums, informal discussions or panels.

IMPORTANT DATES

Regular Paper Submissions:   Wednesday, June 12, 2013 (midnight EST)
Notification of acceptance:   Monday, July 8, 2013
Camera-ready version due:    Monday, July 15, 2013
Workshop date:               Friday, August 30, 2013
SUBMISSION INSTRUCTIONS AND PROCEEDINGS
Full research papers should be written in English, formatted according to the VLDB proceedings format and should not exceed 6 pages. The workshop proceedings will be included in the media containing the VLDB 2013 proceedings (which will be distributed to all VLDB attendees).

All of the submissions will be handled electronically. Each paper will be reviewed by at least three members of the program committee. Detailed submission information will be posted on the website of the workshop (http://www.softnet.tuc.gr/bd3).

ORGANIZING COMMITTEE:

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