

- Bibudh Lahiri and Srikanta Tirthapura, “**Computing Frequent Elements using Gossip**”, *Proc. 15th International Colloquium on Structural Information and Communication Complexity (SIROCCO) 2008*, pp. 119-130

Journal Publications

- Bibudh Lahiri and Srikanta Tirthapura, “**Computing Frequent Items in a Network using Gossip**”, *Journal of Parellel and Distributed Computing (JPDC)*, 70(12), pp 1241-1253, December 2010

Book Chapters (invited)

- Bibudh Lahiri and Srikanta Tirthapura, “**Stream Sampling**”, published in the *Encyclopedia of Database Systems*, by Springer Verlag GmbH

Research Competitions

- Bibudh Lahiri, “**A Generic Framework for Detecting Top- k Items from a Stream**” (extended abstract), accepted in the *ACM Student Research Contest 2010* for presentation

Talks

- “Space-efficient Tracking of Persistent Items in Massive Data Streams”, DEBS 2011, IBM TJ Watson Research Center, Yorktown Heights, NY
- “Finding Correlated Heavy-Hitters over Data Streams”, *invited talk* at The DIMACS Workshop on Network Data Streaming and Compressive Sensing, Rutgers University, October 2010
- “A Generic Framework for Detecting Top- k Items from a Stream”, ACM Student Research Contest, Milwaukee, WI in March 2010
- “Computing Frequent Elements using Gossip”, SIROCCO, Villars-sur-Ollon, Switzerland, 2008

Honors and Achievements

Student travel grant for ACM SRC 2010	Microsoft Research	2010
Student travel grant for IMC 2009	ACM/USENIX	2009
8th in class	Bachelor of Comp. Sc. & Engg., Jadavpur University	2002
54th among around 60,000 candidates	West Bengal Engineering Entrance Examination	1998

Activities

- **Editorial Board Member, Springer**
- **Attended ACM SRC 2010; IPCCC 2009; IMC 2009; SIROCCO 2008; PODC 2007.**
- Reviewer in TKDE, PAKDD '11, INFOCOM '10, SIROCCO '09, ICDCN '09 and '08

Selected Research Projects

- **Categorizing Webpages for Contextual Search (at Kikin):** Kikin’s Search-on-Select feature delivers personalized, context-sensitive search results to the user. The goal is to filter the pages returned by search by category (business, arts, recreation etc) to increase the relevance. Implemented the k-Nearest Neighbor algorithm on Hadoop for classification.

References

Available upon request.