

OBJECTIVE To do summer internship at an organization where I can work on challenging research problems in the field of wireless networks.

EDUCATION **University of California, Santa Barbara**
Ph.D in Computer Science (In Progress)
Sept 2006 -

Indian Institute of Technology(IIT), Guwahati, India.
B. Tech in Computer Science and Engineering
July 2002 - May 2006

INTERESTS

- Vehicular Networks
- Wireless Networks
- Routing and MAC Protocols
- Data Dissemination and QoS

RECENT PROJECTS

- **Maximizing Throughput in Info-Station based Vehicular Networks** In this project, we did a measurement study of data dissemination performance in multi-vehicular testbed with a highway Info-Station. We designed and built a system which maximizes the throughput by performing distributed recovery among the vehicles.
- **Data Dissemination in Vehicular Networks** This project looks at the performance of data dissemination in vehicular networks. A set of analytical models were developed for different dissemination schemes and QualNet simulations on real vehicular traces were conducted to analyze proposed dissemination schemes' performance.
- **Vehicular Trace Models** This project deals with developing synthetic vehicular mobility traces based on real highway traces. We are currently looking into statistical models for trace generation and designing efficient metrics for comparing synthetic and real traces.
- **QoS Routing in Wireless Mesh Networks** In this project, a QoS routing protocol that finds paths with bandwidth and delay constraints in a hybrid mesh network was developed. An accurate estimation of end-to-end delay was proposed which takes into account both intra-flow and inter-flow interference experienced by the data.

PREVIOUS PROJECTS

- Design and development of direct peer to peer connections for GoToMyPC (Summer Intern, Citrix Online, July 2007 - Sept 2007)
- Adaptive QoS routing for mobile ad-hoc networks (Student Researcher, IIT Guwahati, India, Aug 2005 - May 2006)
- Synchronized access networks for real time distributed systems (Research Intern, Salzburg Research Center, Austria, May 2005 - Aug 2005)
- Reliable multicast routing for multi-hop mobile adhoc networks (Student Researcher, IIT Guwahati, India, Aug 2004 - Apr 2005)

PUBLICATIONS **Journals**

- Vinod Kone, Sudipto Das, Ben Zhao and Haitao Zheng, "QUORUM: Quality of Service in Wireless Mesh Networks", The Journal of Special Issues on Mobile Networking and Applications (MONET 08).

Conferences and Workshops

PATENTS

- Vivek Jain, Badri Raghunathan and Vinod Kone, “*Dead Spot Prediction Mechanism for Wireless Vehicular Applications*”. Filed

SKILLS

Languages C, C++, Java, Perl

Software Qualnet, NS-2, GlomoSim

OS Linux/Unix and Windows

HONORS AND
AWARDS

- Recipient of Citrix Online Graduate Fellowship for the year 2006-07.
- Recipient of Pratibha Merit Scholarship during under-graduation 2002-06.