

SRIKANTH SASTRY

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Education

- **Ph.D. in Computer Engineering** from Texas A&M University, College Station, TX
 - *Advisor:* Dr. Scott M. Pike and Dr. Jennifer L. Welch
 - *Expected graduation:* May 2010
 - *GPA:* 3.7
- **B.Tech. in Computer Science** from National Institute of Technology, Calicut, India
 - August 1997 - June 2001
 - *GPA:* 3.5

Research Interests

- Distributed Computing, Distributed Systems, Fault Tolerant Computing, Self Stabilization

Publications

- *Crash Fault Detection in Celerating Environments.* with S. M. Pike *et. al.*, 2009, International Parallel & Distributed Processing Symposium. *Received a best paper award.*
- *Wait-Free Dining Under Eventual Weak Exclusion,* with S. M. Pike *et. al.*, 2008, International Conference on Distributed Computing and Networking
- *Eventually Perfect Failure Detectors using ADD Channels,* with S. M. Pike, 2007, International Symposium on Parallel and Distributed Processing and Applications
- *The Weakest Failure Detector for Wait-Free, Eventually Fair Mutual Exclusion,* with Y. Song and S. M. Pike, 2007, Technical Report

Experience

- **Research Assistant, 2004-present** at Texas A&M University, College Station, TX
 - **Distributed Computing** - Investigating open problems in fault-tolerant distributed computing, and the simulation of distributed system models.
 - **Grid Networks and Security** - Represented TAMU in Grid computing efforts, network security audit and analysis at a consortium of 28 research institutions.
 - **Cryptography** - Developed a compound encryption engine using multiple ciphers with random keys applied in a cascading fashion.
- **Software Engineer, 2001-2004** at Cisco Systems, Bangalore, India
 - **Network Software Development** - Developed test plans, automated testing, executed integration tests for subscriber access control features on Cisco routers.
 - **Router Configuration Analysis** - Developed tools for diagnosis of router configurations related to subscriber access control.
 - **CLI Testing** - Automated the testing of command line interface on Cisco routers.

Projects

- **Texas A&M University (August 2004 - present)**
 - **SURAGRID** - Collaborated with representatives from over 20 research institutions to design the security, access, and operational policies of a co-operative Grid Computing infrastructure.
 - **Network Security** - Designed and implemented a Certificate Authority for campus Grid Computing infrastructure at Texas A&M University.
 - **Data Management** - Developed catalogs and tools for management of meteorological data on Texas Mesonet.
- **Cisco Systems (July 2001 - August 2004)**
 - **Dynamic Loading/Linking** - Developed test plans, and automated testing for dynamic loading and linking feature libraries and modules on CiscoIOS.
 - **Subscriber Access Control** - Developed and tested subscriber access control features like TCP Redirection, Prepaid Billing Support, DHCP Control, *etc.* on Cisco routers.
 - **Training** - Trained over 20 Cisco technical assistance engineers on configuration, operation, and maintenance of subscriber access control routers.

Academic and Professional Distinctions

Best paper award, IPDPS, '09

Scholarship, Richard Tapia Conference, '07

Scholarship, Grid Summer Workshop, '05

Patent Award, Cisco Systems, '03

Best poster award, Computer Science Dept., '08

Graduate Leadership Award, Computer Science, '07

Merit Scholarship, TAMU, '04-'06

Customer Satisfaction Award, Cisco Systems, '04

Volunteer Service and Distinctions

Eppright Outstanding Student Award, '08

Math Tutor, Bryan ISD, '06-'08

President, Int'l Grad. Student Assoc., '05-'06

Board Member, Brazos Progressives, '07-'08

Actor, StageCenter Theater

Microsoft Student Partner, '07-'08

Recipient, Buck Weirus Award, '06

Treasurer, Brazos Valley ACLU, '07-'08

Radio Host, KEOS 89.1FM

Affiliations

- Member, Upsilon Pi Epsilon, Computer Science Honor Society
- Member, Pinnacle Honor Society

Work Authorization

- Eligible for practical training in the U.S.A.