Animesh Srivastava

CONTACT INFORMATION	Department of Computer Science and Engineering Indian Institute of Technology Kharagpur Kharagpur *Mobile:* +91-9433230458 West Bengal - 721302 *E-mail:* animesh.srivastava@yahoo.com India *WWW:* cse.iitkgp.ac.in/∼animeshs

<small>RESEARCH INTERESTS</small>

Peer-to-Peer Networks, Wireless Networks, Distributed Systems, Online Social Networks, Complex Networks

<small>EDUCATION</small>

Indian Institute of Technology Kharagpur, West Bengal, India

M.S., Department of Computer Science & Engineering, January 2010 - December 2011

- Cumulative Grade Point Average (CGPA) so far: 8.60/10
- Thesis Topic: *Resilience Analysis of Real-World P2P Networks*
- Adviser: Dr. Niloy Ganguly
- Area of Study: Complex Networks, Percolation Theory
- Key Courses: Complex Networks, Distributed Systems, Internet & Web Technology, Algorithm Design & Analysis

Haldia Institute of Technology, West Bengal, India

B.Tech., Department of Computer Science & Engineering, August 2003 - July 2007

- Department Rank #1 with Degree Grade Point Average (DGPA): 8.81/10
- Senior Thesis Topic: *FEcST: A Hybrid Routing Algorithm for MANET*
- Key Courses: Data Communications, Formal Languages and Automata Theory, Computer Organisation & Architecture, Database Management Systems, Discrete Structures, Operating Systems, Computer Networks, Probability and Statistics

<small>RESEARCH EXPERIENCE</small>

Indian Institute of Technology Kharagpur, India   **Sep. 2009 - present**

Analyzing Resilience of Real-World P2P Networks

- Developed a generalized analytical model to study the impact of node dynamics on the P2P network topology
- Developed a generalized analytical model to study the impact of edge dynamics on the P2P network topology
- Identified parameters tuning which design engineers can improve the resilience

Haldia Institute of Technology, Haldia India   **Aug. 2006 - July 2007**

FEcST: A Hybrid Routing Algorithm for MANET

- Developed a hybrid routing algorithm that can route based on the reliability of the path to the destination
- Signal-to-Noise ratio is used to estimate the time for which the path will remain reliable

Indian Institute of Technology Kharagpur, India   **May 2006 - August 2006**

Issues in Modeling the Performance of Soft Keyboards with Scanning

- Developed a Metric for Performance Evaluation of Soft Keyboards

PROFESSIONAL EXPERIENCE	**Wipro Technologies**, Bangalore, Karnataka India **July 2007 to September 2009**

Developing WIA2.0 (Windows Image Acquisition) Minidriver

- Developed a Scanner device driver that can be integrated to Windows Vista and above
- Implemented high resolution scan and enabled the driver to work over Wi-FI

Developing WIA1.0 (Windows Image Acquisition) Microdriver

- Developed a minimal Scanner device driver that can be integrated to Windows XP and above

SKILLS	**Operating System**

- Unix (Linux), Microsoft Windows

Programming Languages
- C, C++, C#.Net, Qt, Win32, MFC

Scripting/Web Languages
- Perl, HTML, PHP, Google Web Toolkit

Other Tools
- Matlab, Visual Studio, Widows Development Kit, MS Visual SourceSafe, Latex

CONFERENCE PUBLICATIONS	A. Srivastava, B. Mitra, F. Peruani, N. Ganguly, "Attacks on Correlated Peer-to-Peer Networks: An Analytical Study". In: *SCNC 2011, The First IEEE International Workshop on Security in Computers, Networking and Communications in conjunction with IEEE INFOCOM 2011*, April 10–15, 2011.

S. Bhattacharya , A. Basu, D. Samanta, S. Bhattacherjee, A. Srivastava, "Some Issues in Modeling the Performance of Soft Keyboards with Scanning". In: *Proceedings of the 1st International Conference on Formal Methods in Interactive Systems (FMIS 2006)*, October 31, 2006.

AWARDS & ACHIEVEMENTS	

- Department of Science & Technology, India, Travel Grant to present a paper at SCNC (in conjunction with INFOCOM), 2011
- SIGCOMM 2010 Travel Grant to attend ACM SIGCOMM Conference at New Delhi, India
- Received twice "Feather In My Cap" award for excellent work at Wipro Technologies
- Secured 82% marks in National Mathematics Olympiad Contest organized by All India Schools Mathematics Teachers Association 2002
- Secured All India Rank 1085 in National Level Science Talent Search Examination 2001

REFERENCES AVAILABLE TO CONTACT	**Dr. Niloy Ganguly** (e-mail: ganguly.niloy@googlemail.com; phone: +91-9434719571)

- Associate Professor, Department of Computer Science & Engineering, Indian Institute of Technology Kharagpur

Dr. Arobinda Gupta (e-mail: agupta@cse.iitkgp.ernet.in; phone: +91-9434060943)
- Professor, Department of Computer Science & Engineering, Indian Institute of Technology Kharagpur