

Anirban Banerjee

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Title Chief Security Officer at Jaal LLC, Stopthehacker.com.

Education Ph.D. Computer Science, University of California, Riverside, December 2008.

Bachelors in Information Technology with honors from IIIT-Calcutta, 2004.

Security Certifications from the SANS Security Institute

Research Interests

- Web-application and network security
- Internet: protocols, measurements
Internet topology models

Honors & Distinctions

Best Paper Award: awarded to “Is Someone Tracking P2P Users?” authored by **A. Banerjee**, M. Faloutsos and L. Bhuyan in IFIP Networking 2007.

Wide news coverage: the paper received publicity in the popular electronic and printed press: The article was the main focus of an article in the “Ars Technica” online magazine: “P2P researchers: use a blacklist or you will be tracked... 100% of the time”, and was referenced in torrentfreak, digg.com, and physorg (October 2007), and in many other websites.

Technical Skills

- Web-App security: **Metasploit**, **Ratproxy**, **Samurai Framework**, **Burp** and others.
- Experience in programming with languages such as **Awk**, **Bash**, **Python**, **C**, **C++**.
- Experience in working with **CGI**, **Javascript** and **Web Technologies**.
- Experience in network-security application development in **OPenSSL** in Linux.
- Familiarity with **VMWare**, **Valgrind**, **GNU MP** libraries and **User Mode Linux**.
- Working knowledge of **NS2**, **Ethereal**, **Planet-Lab** network.
- Experience in embedded systems programming, **8051**, **Renesas M16C**, **ARM7**, **Virtex 4fx**.

Collaborators

- Michalis Faloutsos (UCR)
- Walid Najjar (UCR)
- Laxmi Bhyan (UCR)
- Abhishek Mitra (UTMD)
- Dhiman Barman (Barracuda Networks)

Journal Publications

- **A. Banerjee**, M. Faloutsos and L. Bhuyan, "SimPod: Measuring and Modeling Podcasting", Under submission to ACM TOIT.
- **A. Banerjee**, M. Faloutsos and L. Bhuyan, "The P2P War: Someone is Monitoring your Activities", Computer Networks, Volume 52, Issue 6, 24 April 2008, Pages 1272-1280.
- Swapan Bhattacharya, **Anirban Banerjee**, and Shibdas Bandyopadhyay, CORBA-Based Analysis of Multi Agent Behavior, JCST, Vol. 20, No. 1, January 2005.
- **A. Banerjee** and D. Saha, Pervasive Computing with Live Bio-Sensors and conventional Sensor nodes, IJICS Vol. 6, No. 2, December 2003.

Selected Publications

- **A. Banerjee**, M. Faloutsos and L. Bhuyan, Profiling Podcast Based Content Distribution, Accepted at Global Internet (GI) 2008, in conjunction with Infocom 2008.
- **A. Banerjee**, D. Barman, M. Faloutsos and L. Bhuyan, Cyber-Fraud is One Typo Away, accepted at **Infocom 2008** mini-conference.
- J. Zhou, L. N. Bhuyan and **A. Banerjee**, An Effective Pointer Replication Algorithm in P2P Networks, **IPDPS 2008**.
- **A. Banerjee**, M. Faloutsos and L. Bhuyan, Is Someone Tracking P2P Users?, In Procs. of **IFIP NETWORKING 2007**. **BEST PAPER AWARD**
- **A. Banerjee** and D. Barman, Characterizing Quality of Content Distribution from YouTube like Portals, **CoNEXT 2007**, Student-Workshop.
- J. Sun, **A. Banerjee** and M. Faloutsos, Multiple Identities in BitTorrent Networks, In Procs. of **NETWORKING 2007**.
- **A. Banerjee**, A. Mitra and M. Faloutsos, Dude, Where's my Peer?, Procs. of **ASET-Globecom 2006**, San Francisco, USA, 2006.
- **A. Banerjee**, A. Mitra, W. Najjar, D. Zeinalipour-Yazti, V. Kalogeraki and D. Gunopulos, Co-S: A high performance Co-processing Sensor architecture for offloading sensing and data processing, IEEE **SECON 2005**. Santa Clara, USA, 2005.
- A. Mitra, **A. Banerjee**, W. Najjar, D. Zeinalipour-Yazti, D. Gunopulos, V. Kalogeraki., High Performance, Low Power Sensor Platforms Featuring Gigabyte Scale Storage, **SenMetrics 2005**, San Diego, USA, 2005.
- S. Bhattacharya, **A. Banerjee**, S. Bandyopadhyay and U. Bhattacharya, A CORBA based Analysis of Multiagent Behavior, **PDCS 2003**, California, USA, 2003.

PROFESSIONAL ACTIVITIES

- Regular contributor to popular security groups, badwarebusters.org, stopbadware.org
- Taught "Managing change and technology", part of Global Business Management, at UCR Extension since 2008
- ACM ASIA PROGRAMMING CONTEST, 2002 (Placed 3rd)
- MENSA Member, 2002
- ACM ASIA PROGRAMMING CONTEST, 2001 (Placed 5th)

References available on request