

Sourav Kumar Dandapat

Present Address

Room No:C-235, JCB Hall of Residence
IIT KHARAGPUR, Kharagpur
West Bengal-721302

Permanent Address

Village-Kushpata
P.O-Ghatal, Dist-Paschim Medinipur
West Bengal-721212

Mobile : +919477092046

E-mail : sourav.dandapat@gmail.com

Research Experience of Three Years (2009 July onwards)

- At present I am pursuing my PhD from the Department of Computer Science and Engineering, Indian Institute of Technology Kharagpur, under the guidance of Dr. Niloy Ganguly, in the broad research area of Wireless Internet. There are a number of important research issues in Wireless Internet which need further exploration. Out of these, optimum utilization of resources (e.g bandwidth, throughput) is an important issue. To address this issue, I am concentrating on three problems: (a) Distributed content storage for just-in-time streaming (b) Developing a collaborative download scheme of mobile devices exploiting social behavior of humans whereby effective throughput of each individual mobile user can be enhanced. (c) Developing smart association control scheme for wireless environment to enhance the call admittance and fairness in bandwidth allocation within existing infrastructure

Publication

- ❖ Sourav Kumar Dandapat, Sanyam Jain, Romit Roychowdhury, Niloy Ganguly, " Distributed content storage for just-in-time streaming", Poster paper, **ACM SIGCOMM**, 2012
- ❖ Sourav Kumar Dandapat, Ravi Niranjana, Niloy Ganguly, "Framework for Collaborative Download in Wireless Mobile Environment", PhD Forum, **IEEE Mobile Data Management**, Bangalore, India, 2012
- ❖ Sourav Kumar Dandapat, Bivas Mitra, Romit Roychowdhury, Niloy Ganguly, "Smart Association Control In Wireless Mobile Environment Using Max-Flow", **IEEE Transaction on Network and Service Management**, 2012
- ❖ Sourav Kumar Dandapat, Bivas Mitra, Romit Roychowdhury, Niloy Ganguly, "Fair Bandwidth Allocation in Wireless Mobile Environment Using Max-Flow", **HiPC** 2010, Goa, India, Dec 2010.
- ❖ Sourav Kumar Dandapat, Bivas Mitra, Romit Roychowdhury, Niloy Ganguly, "Fair Bandwidth Allocation in Wireless Network Using Max-Flow", Poster paper, **ACM SIGCOMM** 2010, New Delhi, India, September 2010.
- ❖ Sourav Kumar Dandapat, Bivas Mitra, Niloy Ganguly, "Flexible Load Balancing in Wireless Mobile Environment", Poster in PhD Forum, **ICDCN 2010**, Kolkata, India, January 2010.

Industrial Experience of 4 Years

Experience of 1.5 Year with Magma Design Automation

- **Associate Member of Technical Staff (R&D), Magma Design Automation India Pvt. Ltd.** Worked in quartz_drc and quartz_dfm tools (These tools are designed to verify whether the layout meets the system specification and fabrication requirement).

Experience of 2.5 Years with IBM ISL

- **System Software Engineer, India System and Technology Lab, IBM India Pvt. Ltd.** Involved in development and testing of AIX Operating System: Goal of our team was to add new features as well as fixing flaw of already existing code of AIX operating system.

Academic Qualification

Degree	Institute/Board	Year of Completion	CGPA/Percentage
M.Tech in Computer Sc & Information Technology	IIT Kharagpur	2005	8.26/10
BE in Computer Sc & Engineering	Jadavpur University, Kolkata	2002	78.00 % 1 st Class Honors
Higher Secondary	WBCHSE	1998	83.40 %
Madhyamik	WBBSE	1996	81.20%

Skill Set

- Platforms** Unix, Windows
- Programming Languages** C, C++, Java, MATLAB
- Scripting/Web Languages** TCL, Shell, PERL,HTML
- Network Simulation** NS3

Dissertation in M.Tech and B.Tech

- CAD for Testing Path Delay Fault:**
This project involved identification of critical path and calculating its delay for a given circuit specification. Goal of this project was to optimize the power and size of the entire circuit with constraint that it does not increase the critical path delay.
- Student registration System:**
The project involved to get the data from SQL database using ODBC through a middle-wire (developed in C) and VB front end as user interface.

Academic Distinctions

- Percentile in GATE (entrance exam for post graduation studies): 99.4 ranked 216.**
- Ranked 71 in W.B.J.E.E.**
- Was selected for studying B.Stat in Indian Statistical Institute, Kolkata.**

Personal Information

- Date of Birth : 02nd MAY 1980
- Nationality : Indian

Date:01/06/2012
Place:Kharagpur

(Sourav Kumar Dandapat)