

## Ranjan Pal

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### ACADEMIC AND INDUSTRIAL EXPERIENCE

**Viterbi School of Engineering, University of Southern California, USA**

*Provost Fellow, Computer Science*

**August, 2008 - Present**

Pursuing research in the economics of information/cyber security and economics of societal networks.

*Teaching Assistant, Computer Science*

**August, 2010 - December 2010**

Conducting a graduate level course in analysis of algorithms - Duties: developing course structure, designing exams and quizzes, grading exams and quizzes, and holding office hours.

**Deutsch-Telekom Laboratories, Berlin, Germany**

*Visiting Researcher*

**April-June, 2011**

Pursuing research on investment models in Internet security and economic aspects of opportunistic mobile networks

**Department of Electrical Engineering, Princeton University, USA**

*Visiting Student Research Collaborator*

**June, 2010 - June 2011**

Pursuing research on monetized file sharing systems.

**Nokia-Siemens Networks, Lisbon, Portugal**

*Guest Researcher*

**December, 2009**

Worked on reliability aspects in body sensor networks in collaboration with researchers at Nokia-Siemens and Technical University of Lisbon.

**Center for TeleInfrastruktur, Aalborg University, Aalborg, Denmark**

*Guest Researcher*

**June, 2009 - July, 2009**

Worked on reliability aspects in body sensor networks in collaboration with researchers at University of Rome, Tor-Vergata.

*Guest Researcher*

**December, 2008 - January, 2009**

Worked on Lexicographic scheduling in WiMAX mesh networks.

*Research Assistant*

**April - July, 2008**

Researched on reliability, routing and scheduling aspects of cognitive radio networks and wireless body area networks. Mentored graduate students at Aalborg university and visiting undergraduate students from India. Took active part in writing proposals for the European Commission.

**Adhoc Networks Research and Applications Group, Indian Institute of Management, Calcutta, India**

*Research Associate*

**June, 2007 - February, 2008**

Researched on lexicographic algorithms for load-balanced routing in wireless mesh networks.

**Computer Science Department, University of California, Davis, USA**

*Teaching Assistant*

**March - June, 2006**

Taught C and UNIX programming to undergraduates, conducted tutorial sessions, evaluated exam scripts, and evaluated lab assignments.

*Graduate Student Researcher*

**October 2005 - February, 2006**

Worked on efficient data dissemination algorithms for static multi-hop wireless networks.

**Department Electrical Engineering and Computer Science, Massachusetts Institute of Technology, USA**

*SMA Masters Fellow, Computer Science*

**July, 2004 - May 2005**

Pursued research on computational protein docking in proteins.

**Computer Science Department, National University of Singapore, Singapore**

*SMA Masters Fellow, Computer Science*

**July, 2004 - May 2005**

Pursued research on computational protein docking in proteins.

**Cadence Design Systems, India**

*Software Engineer*

**June, 2002- April, 2004**

Developed performance evaluation tools for formal verification systems.

**Computer Science Department, Indian Institute of Technology, Kharagpur, India**

*Research Intern*

**June - July, 2001**

Developed an adaptive connection management system for ATM networks.

**Operations Management Group, Indian Institute of Management, Calcutta, India**

*Research Intern*

**May - July, 2000**

Worked on fuzzy optimization methods for engineering systems.