

PRASANT MOHAPATRA, Ph.D.

RESEARCH INTERESTS

Computer Networks, Wireless Networks and Mobile Systems, Sensor Networks, Wireless Security, Cyber Security, and Internet Quality of Support.

TEACHING EXPERIENCE

Undergraduate Courses:

Computer Networks
Computer System Architecture
Computer Organization
Introduction to Computer Science

Graduate Courses:

Advanced Computer Networks
Wireless and Mobile Networks
Computer System Performance
Computer Architecture

EDUCATION

Ph.D.	The Pennsylvania State University University Park, PA	1993
M.S.	The University of Rhode Island Kingston, RI	1989
B. S.	National Institute of Technology Rourkela, India	1987

PROFESSIONAL EXPERIENCE

2003 --	Professor, Computer Science Department, University of California, Davis, CA
2014 --	Associate Chancellor, University of California, Davis, CA
2013 -- 2014	Interim Vice-Provost and CIO, University of California, Davis, CA
2009 -- 2013	Tim Bucher Family Endowed Chair, University of California, Davis, CA
2007 -- 2013	Chair, Computer Science Department, University of California, Davis, CA
2012 -- 2013	World Class University (WCU) Visiting Professor, KAIST, Korea
2006 - 2008	Director, Center for Future Information Technology (CFIT)

Jun-Aug. 2007-09	Visiting Professor, Yonsei University, South Korea
Nov-Dec., 2004	Visiting Researcher, National ICT Australia (NICTA), Sydney, Australia
July-Oct., 2004	Visiting Scientist, Institute for Infocomm Research (I2R), Singapore
2001 -- 2003	Associate Professor, Computer Science Department, University of California, Davis, CA
1999 – 2001	Associate Professor, Computer Science & Engineering Department Michigan State University, East Lansing, MI
May-Aug, 2000	Visiting Professor, Intel Corporation, Beaverton, Oregon
1998-1999	Associate Professor, Electrical and Computer Engineering Department Iowa State University, Ames, IA 50011
May-July, 1998	Visiting Scientist, Panasonic Information and Networking Technologies Laboratory, Panasonic Technologies Inc., Princeton, New Jersey
1993-1998	Assistant Professor, Electrical and Computer Engineering Department Iowa State University, Ames, IA 50011

HONORS AND AWARDS

- Fellow of AAAS, 2013
- Fellow of the IEEE, 2010
- Outstanding Engineering Alumni Award, Pennsylvania State University, 2008
- Outstanding Engineering Faculty Award, College of Engineering, UC Davis, 2011.
- HP Labs Innovation Award, 2011, 2012, 2013
- Editor-in-Chief, IEEE Transactions on Mobile Computing, 2014-
- Paper published in ICCD-2000 was selected among the four most influential work during the first 30 years of ICCD conference (A Retrospective presented at the 30th ICCD-2012)
- Best Paper Awards:
 - IFIP Networking, 2014
 - ACM BodyNets, 2013
 - IEEE ICCCN, 2013
 - International Symposium on Wireless Personal Multimedia Communications, 2011.
 - IEEE Wireless Mobile Computing (WiMob) Conference, 2009
- World Class University (WCU) Visiting Professor, KAIST, Korea, 2012-13
- Mentor, Award for Excellence in Postdoctoral Research, 2012 (Dr. Amit Pande).
- Advisor, Best Graduate Researcher Award, Computer Science Department, UC Davis, 2013 (Student: Xinlei Wang)
- Advisor, Best Graduate Researcher Award, Computer Science Department, UC Davis, 2012 (Student: An Chan)
- Mentor, Award for Excellence in Postdoctoral Research, 2011 (Dr. Kai Zeng).
- Advisor, Best Doctoral Dissertation Award from the College of Engineering, 2007 (Student: Chao Gui)

- Advisor, Best Graduate Researcher Award, Computer Science Department, UC Davis, 2006 (Student: Chao Gui)
- Outstanding Graduate Research Award, Pennsylvania State University, 1993

LITIGATION RELATED CONSULTING

- Patent Infringement case between US Ethernet Innovations and Savemart, *Topic: Ethernet Packet Forwarding*, 2011.
- Patent Infringement case between Rockus Wireless, Inc and Netgear, Inc., *Topic: Wireless Mesh Networks*, 2013 (Gave Deposition)
- Patent Re-Examination, Walker Digital LLC, *Topic: Remote Video Surveillance*, 2013
- Patent Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Web Access on Pervasive Devices*, 2013
- Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Dynamic Distributed Data Systems*, 2013
- Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Key Management for Network Configurations*, 2013
- Inter Partes Review of Patent, Clouding LLC and Oracle, Inc., *Topic: Configuration of Dynamic Computing Environments*, 2013
- Inter Partes Review of Patent, General Growth, Westfield, etc. and George Peshchke, *Topic: Layout-Based Method for Map Navigation*, 2013.
- Patent Infringement case between Polaris Wireless and TruePosition, Inc, *Topic: Location based Services in Wireless Applications*, 2014.
- Inter Partes Review of Patent, Kinetics Technologies, Inc and Skyworks Solutions, Inc., *Topic: Integrated Devices with Serial Inputs for Pulses*, 2014.
- Inter Partes Review of Patent, Rackspace Hosting, Inc and Clouding IP, LLC, Inc., *Topic: Replica Synchronization Using Copy-on-Read*, 2014. (Gave Deposition)
- Inter Partes Review of Patent, Unified Patents Inc / SAP America Inc and Clouding IP, LLC, Inc., *Topic: Methods and Apparatus for File Synchronization and Updating Using a Signature List*, 2014. (Gave Deposition)

GRANTS AND CONTRACTS

- [65] P. Mohapatra (PI), \$75,000, National Science Foundation, “From Computer Networks to Food Networks,” 2014-15.
- [64] P. Mohapatra (Co-PI), \$23.2M (plus \$25.0M for 5-yr extension), Army Research Laboratory, Cybersecurity Research Alliance, “Models for Enabling Continuous Reconfigurability of Secure Missions,” 2013-19. (PI: P. MacDaniel, Co-PIs: K. Levitt, Z. Su, T. LaPorta, T. Jaeger, S. Krishnamurthy, H. Madhyastha, I. Neamtiu, J. Camp, B. Bertenthal, D. Henshel, L. Cranor, L. Bauer, N. Christin, C. Gonzalez)
- [63] P. Mohapatra (Co-PI), \$992,746, National Science Foundation, “CC-NIE Integration: Improved Infrastructure for Data Movement and Monitoring,” 2012-14. (PI: M. Bishop)
- [62] P. Mohapatra (Co-PI), \$500,000, National Science Foundation, “Towards a User-Centric Battery Management System for Smartphones,” 2013-16. (Co-PI: Srikanth Krishnamurthy)

- [61] P. Mohapatra (PI), \$75,000, Hewlett Packard Company, "Location Based Communications and Services," 2013-14.
- [60] P. Mohapatra (PI), \$18,500, Huawei Technologies, "Performance of Smartphone Applications," 2012-13.
- [59] P. Mohapatra (PI), \$150,000, National Science Foundation, "Deep Network Inspection," 2012-14.
- [58] P. Mohapatra (Co-PI), \$860,000, RISE, UC Davis, "Wireless Health and Wellness Research Center," 2012-15, (Co-PIs: J. Han, T. Nesbitt, H. Young, and L. Berglund).
- [57] P. Mohapatra (PI), \$95,000, Hewlett Packard Company, "Location Based Communications and Services," 2012-13.
- [56] P. Mohapatra (PI), \$119,500, US Army Research Laboratory, "Trusted Networks," 2011-12.
- [55] P. Mohapatra (PI), \$195,000, US Army Research Office, "Mobility and Security in Wireless Networks," 2011-12.
- [54] P. Mohapatra (PI), \$125,000, National Science Foundation, "CIFellows Project," 2011-12.
- [53] P. Mohapatra (PI), \$75,000, Hewlett Packard Company, "Location Based Communications and Services," 2011-12.
- [52] P. Mohapatra (PI), \$140,000, National Science Foundation, "CIFellows Project," 2010-11.
- [51] P. Mohapatra (PI), Total \$35.5M, \$7,000,000 (UC Davis Share), Army Research Laboratory, Collaborative Technology Alliance (CTA), "Quality of Information Aware Networks for Tactical Applications," (Co-PIs: K. Levitt, F. Wu, R. D'Souza, Q. Zhao), 2009-2019.
- [50] P. Mohapatra (PI), \$38,400, UC MICRO, "Cross-Layer Techniques for Resource Management in Wireless Mesh networks," 2008-09 (Co-PIs: X. Liu, C. Chuah).
- [49] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "SWiM: Scalable Wireless Mesh Networks," 2008-09 (PI: X. Liu).
- [48] P. Mohapatra (PI), \$200,000, National Science Foundation "Cross-layer Design for Streaming Video in Multihop Wireless Mesh Networks" 2008-11.
- [47] P. Mohapatra (PI), \$20,000, Intel Corporation "Diversity Research Program" 2008-09.
- [46] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "WiMO: Wireless Management Overlays" 2007-08 (PI: C. N. Chuah).
- [45] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "Scalable Enterprise Mesh Networks," 2007-08 (PI: X. Liu).

- [44] P. Mohapatra (PI), \$114,440, UC MICRO, "Security and Manageability of Networks" 2007-08 (Co-PIs: Felix Wu, Kwan-liu Ma, Ben Yoo, Karl Levitt).
- [43] P. Mohapatra (PI), \$93,412, UC MICRO, "Cross-Layer Techniques for Resource Management in Wireless Mesh networks" 2007-08 (Co-PIs: Xin Liu, Chen-nee Chuah).
- [42] P. Mohapatra (PI), \$12000, Intel Corporation, "CFIT Diversity Program" 2007-08.
- [41] P. Mohapatra (PI), \$290,000, National Science Foundation, "Cooperative Security Mechanisms for DNS" 2007-10.
- [40] P. Mohapatra (PI), \$280,000, National Science Foundation, "QuRiNet: A Wide-Area Outdoor Mesh Test-bed" 2007-11 (Co-PIs: X. Liu, V. Boucher).
- [39] P. Mohapatra (PI), \$50,000, Intel Corporation, "Co-operative DNS Security" 2007-08.
- [38] P. Mohapatra (Co-PI), \$60,000, Intel Corporation, "Multicore Equipment Donation" (PI: Zhendong Su), 2007-08.
- [37] P. Mohapatra (PI), \$6,250,000, Department of Defense (Army Research Office), "ARSENAL: A Cross-Layer Architecture for Secure Resilient Tactical Mobile Ad Hoc Networks," 2006-07 (Co-PIs: K. Levitt, F. Wu, S. Krishnamurthy, M. Faloutsos, L. Swindlehurst, M. Jensen, S. Kasera, T. La Porta, G. Cao, P. Krishnamurthy, D. Tipper, J. J. Garcia-Luna-Aceves), 2007-2012.
- [36] P. Mohapatra (PI), \$25,000, Hewlett Packard Company, "Video over Wireless Mesh Networks," 2007-08.
- [35] P. Mohapatra (Co-PI), \$70,000, Intel Corporation, "Management of Wireless Mesh Networks" 2006-07 (PI: C. N. Chuah).
- [34] P. Mohapatra (Co-PI), \$65,000, Intel Corporation, "Scalable Enterprise Mesh Networks," 2006-07 (PI: X. Liu).
- [33] P. Mohapatra (PI), \$112,000, UC MICRO, "Dependable Security for Large-Scale Networks and Systems," 2006-07 (Co-PIs: K. Levitt, F. Wu).
- [32] P. Mohapatra (PI), \$150,000, Intel Corporation, "Trusted Autonomics," 2006-07 (Co-PI: K. Levitt).
- [31] P. Mohapatra (PI), \$56,000, UC MICRO, "Resource Management in Wireless Mesh Networks," 2006-07 (Co-PI: C. N. Chuah).
- [30] P. Mohapatra (Co-PI), \$50,000, Intel Corporation, "Computer Engineering Education Laboratories with Wireless Networking Extensions," 2006-07 (with C. N. Chuah).
- [29] P. Mohapatra (PI), \$40,000, Hewlett Packard Corporation, "QoS in Wireless Mesh Networks," 2005-2006.

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