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### 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

2013 --	Interim Vice-Provost and CIO, University of California, Davis, CA
2003 --	Professor, Computer Science Department, 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
Jan -- Dec. 2012	Visiting Scientist, NICTA, Australia
2006 - 2008	Director, Center for Future Information Technology (CFIT)
Jun-Aug. 2007-09	Visiting Professor, Yonsei University, South Korea

2004 -- 2007	Chair, Graduate Group in Computer Science University of California, Davis, CA
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
May-Aug, 1999	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 30<sup>th</sup> ICCD-2012)
- Best Paper Awards:
  - 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

## CONSULTING ACTIVITIES AND INDUSTRIAL AFFILIATIONS

Sept. 2012 -	Technical Advisory Board Member, EagleEyeMed, Inc.
Jan. 2010 -	Founder, Airpackets, LLC
Sept. 2009 -	Co-Founder, Mapiz, Inc
Aug. 2011 – Dec. 2011	Consultant, AT&T Labs
Jul. 2010 – Dec. 2010	Consultant, AT&T Labs
Dec. 2007 – Mar. 2008	Consultant, Siemens
June 2004 – Oct. 2004	Consultant, Siemens
Aug. 2003 – Sept. 2003	Consultant, Intel Corporation
Oct. 2000 – July 2001	Chief Technology Officer, Polyphasic Corporation, Michigan
June 2000 – July 2000	Consultant, Intel Corporation
Jan. 2000 – May 2000	Consultant, Panasonic Information Networking and Technologies Laboratory

## LITIGATION RELATED CONSULTING

Patent Infringement case between US Ethernet Innovations and Savemart, *Topic: Ethernet Packet Forwarding*, 2012

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.

## INDUSTRIAL SPONSORS AND COLLABORATORS (CURRENT AND PAST)

AT&T  
 EMC Corporation  
 Hewlett Packard  
 Huawei Corporation  
 Intel Corporation

NEC Corporation  
NICTA, Australia  
Panasonic  
Rockwell International  
Siemens  
Raytheon-BBN

## GRANTS AND CONTRACTS

- [63] P. Mohapatra (Co-PI), \$23.2 M (plus \$25.0 M 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)
- [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. Kaser, 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).

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