

Biographical Sketch

Vinod Namboodiri
Wichita State University

A. PROFESSIONAL PREPARATION

<u>College/University</u>	<u>Location</u>	<u>Major</u>	<u>Degree & Year</u>	
Gujarat University	Gujarat, India	Control Engineering	BE	2000
University of North Carolina	Charlotte, NC	Computer Science	MS	2003
University of Massachusetts	Amherst, MA	Computer Engineering	PhD	2008

B. APPOINTMENTS

2014 – Present	Associate Professor, Dept. of Electrical Engineering and Computer Science, Wichita State University, Wichita, KS, USA
2008 – 2014	Assistant Professor, Dept. of Electrical Engineering and Computer Science, Wichita State University, Wichita, KS, USA
2007	Research Intern, Wireless Technologies Group, Robert Bosch Corporation-Research and Technology Center, Palo Alto, CA, USA

C. PRODUCTS

Five Products Most Closely Related to the Proposed Project

1. Seyed Ali Cheraghi, **Vinod Namboodiri**, Laura Walker. GuideBeacon: Beacon-Based Indoor Wayfinding for the Blind, Visually Impaired, and Disoriented. *Proceedings of the 15th IEEE International Conference on Pervasive Computing (IEEE PerCom)*, Kona Island, Hawaii, USA, March 2017; to appear.
2. **Vinod Namboodiri**, Lixin Gao. Towards Energy Efficient VoIP over Wireless LANs. *IEEE Transactions on Mobile Computing*, Vol. 9, No. 4, April 2010. (conference version accepted at ACM MobiHOC 2008)
3. **Vinod Namboodiri**, Lixin Gao. Energy Aware Tag Anti-Collision Protocols for RFID Systems. *IEEE Transactions on Mobile Computing*, Vol. 9, No. 1, January 2010. (conference version accepted at IEEE PerCom 2007)
4. **Vinod Namboodiri**, Abtin Keshavarzian. Alert: An Adaptive Low-Latency Event-Driven MAC Protocol for Wireless Sensor Networks. *Proceedings of the 7th ACM/IEEE International Conference on Information Processing in Sensor Networks (ACM/IEEE IPSN 2008)*, St. Louis, MO, April 2008.
5. **Vinod Namboodiri**, Lixin Gao. Prediction Based Routing for Vehicular Ad Hoc Networks. *IEEE Transactions on Vehicular Technology*, Vol. 56, No. 4, July 2007.

Five Other Significant Products

1. Arash Boustani, Anindya Maiti, Jazi S. Yousefian, Murtuza Jadliwala, **Vinod Namboodiri**. Seer Grid: Privacy and Utility Implications of Two-Level Load Prediction in Smart Grids. *IEEE Transactions on Parallel and Distributed Systems*, Vol. 28, No. 2, 2017.
2. Babak Karimi, **Vinod Namboodiri**, Murtuza Jadliwala. Scalable Meter Data Collection in Smart Grids through Message Concatenation. *IEEE Transactions on Smart Grids*, vol. 6, no. 4, pp. 1697-1706, July 2015

3. Siny Joseph, **Vinod Namboodiri**, Vishnu Cherusola Dev. A Market Driven Framework Towards Environmentally Sustainable Mobile Computing. *ACM SIGMETRICS Performance Evaluation Review*, vol. 42, pp. 46-48. (Special Issue on the 2014 ACM GreenMetrics Workshop)
4. Siny Joseph, **Vinod Namboodiri**, Vishnu Dev Cherusola. Towards Environmentally Sustainable Mobile Computing Through an Economic Framework. *IEEE Transactions on Emerging Topics in Computing*, vol.2, no.2, pp. 212-224, June 2014.
5. Vinod Namboodiri, Lixin Gao, Ramakrishna Janaswamy, "Power Efficient Topology Control for Wireless Networks with Switched Beam Directional Antennas", Elsevier Ad Hoc Networks, Vol. 6, No. 2, April 2008.

D. SYNERGISTIC ACTIVITIES

- Teaching CS 898X Assistive Mobile Computing in fall 2017.
- Advised two undergraduate senior design capstone groups (2015-16 academic year) on their projects related to assistive technologies for the blind and visually impaired.
- Panelist at NSF 2015, 2016. 2017.
- Appointed Adjunct Research Scientist at Envision Research Institute, Wichita, KS since October 2016.
- Technical Program Committee Member for:
 - a. Institute of Electrical and Electronics Engineers (IEEE) GLOBECOM, 2009-current
 - b. International Green and Sustainable Computing (IGSC) 2015
 - c. IEEE INFOCOM 2013,2014
 - d. IEEE International Conference on Communications (ICC) 2010
 - e. IEEE GREENCOM 2010, 2011
 - f. IEEE International Performance Computing and Communications (IPCCC) 2010, 2011