

Biographical Sketch

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Education

Cornell University, B.S., Electrical Engineering, May 1995
Massachusetts Institute of Technology, M.S., Electrical Engr. and Computer Science, February 1997
Massachusetts Institute of Technology, Ph.D., Electrical Engr. and Computer Science, June 2000

Professional Experience

Assistant Professor in Electrical and Computer Engineering, University of Rochester, 2001 – Present
Consultant for Eastman Kodak Company, Rochester, NY, 2000 – Present
Massachusetts Institute of Technology, Microsystems Technologies Laboratory, 1995-2000
Texas Instruments Incorporated, Media Technologies Laboratory, Summer 1998
PictureTel Corporation, Video Research Group, Summer 1997
AT&T Bell Laboratories, Signal Processing Research Group, Summer 1995

5 Recent Publications

- (1) W. Heinzelman, A. Chandrakasan, H. Balakrishnan, "An Application-Specific Protocol Architecture for Wireless Microsensor Networks," *to be published: IEEE Transactions on Wireless Networking*.
- (2) J. Kulik, W. Heinzelman, and H. Balakrishnan, "Negotiation-based Protocols for Disseminating Information in Wireless Sensor Networks," *to be published: IEEE WINET*.
- (3) W. Rabiner Heinzelman, A. Sinha, A. Wang, and A. Chandrakasan, "Energy-Scalable Algorithms and Protocols for Wireless Microsensor Networks," *Proceedings of the International Conference on Acoustic, Speech, and Signal Processing (ICASSP '00)*, June 2000.
- (4) M. Budagavi, W. Rabiner Heinzelman, J. Webb, and R. Talluri, "Wireless MPEG-4 Video Communication on DSP Chips," *IEEE Signal Processing Magazine*, January 2000.
- (5) W. Rabiner Heinzelman, A. Chandrakasan, and H. Balakrishnan, "Energy-Efficient Communication Protocol for Wireless Microsensor Networks," *Proceedings of the 33rd Hawaii International Conference on System Sciences (HICSS '00)*, January 2000.

Collaborators

H. Balakrishnan (MIT), M. Budagavi (Texas Instruments), A. Chandrakasan (MIT), C. Judice (Eastman Kodak Company), R. Talluri (Texas Instruments), J. Webb (Texas Instruments)