# Fayette W. Shaw

Office: (206) 685-8678
Email: fayshaw@u.washington.edu

University of Washington
Department of Electrical Engineering
Box 352500
Seattle, WA 98195-2600

## Education

Ph.D. Mechanical Engineering, University of Washington, *expected* December 2010.
*Advisor*: Eric Klavins, Electrical Engineering, University of Washington.

M.S. Mechanical Engineering, University of Washington, 2006.

B.S. Mechanical Engineering, Carnegie Mellon University, 2003.
*Minors*: Robotics and Physics.

## Positions Held

Department of Electrical Engineering, University of Washington, Seattle, WA.
*Research Assistant*, Winter 2004 - present.

Research Department, iRobot Corporation, Bedford, MA.
*Intern*, June - September 2008.

Department of Mechanical Engineering, University of Washington, Seattle, WA.
*Teaching Assistant*, ME374 System Dynamics: Analysis and Design, Spring 2005.
*Teaching Assistant*, ME373 Introduction to System Dynamics, Winter 2005.
*Teaching Assistant*, ME471 Automatic Control, Fall 2004.

Product Development Department, Segway L.L.C., Bedford, NH.
*Intern*, June – September 2004.

Carnegie Mellon University, Robotics Institute, Pittsburgh, PA.
*Research Assistant*, CORAL research group, Spring 2004.
*Research Assistant*, Field Robotics Center, June 2002–December 2003.

## Publications

[1] F. W. Shaw, E. Klavins, Grouper, the Wearable, Wireless Group Coordinator, *in preparation*.

[2] F. W. Shaw, A. Chiu, and J. D. McLurkin, Agreement with Dropped Messages in Multi-Robot Systems, Intelligent Robots and Systems (IROS) 2010, October 2010.

[3] F. W. Shaw and E. Klavins, Distributed Estimation and State Assignment for Stochastically Interacting Robots, Proceedings of the International Federation for Automatic Control, Workshop on Estimation and Control in Networks, September 2009.

[4] F. W. Shaw and E. Klavins, Distributed Estimation and Control for Stochastically Interacting Robots, Conference on Decision and Control, December 2008.

## Demonstrations

[1] F. W. Shaw, E. Klavins, Grouper: A Proof-of-Concept Wearable Wireless Group Coordinator, *in preparation*.

## Professional Activities

### Reviewer

Journals: Automatica, ACM Transactions on Autonomous and Adaptive Systems (TAAS)

Conferences: International Conference on Robotics and Automation (ICRA), International Conference on Intelligent Robotics and Systems (IROS), Conference on Decision and Control (CDC), American Control Conference (ACC), Hybrid Systems Controls Conference (HSCC)

### Volunteer

Robotics: Systems and Sciences Conference, Seattle, WA, June 2009.

Women in Science and Engineering Conference, *panelist*, Seattle, WA, February 2009.

University of Washington BioRobotics Workshop, Seattle, WA, January 2007.

American Control Conference, Portland, OR, June 2005.

### Guest Lecturer

Linear Algebra in Multi-Agent Systems, UW Math Academy, July 2010.

Agreement with Dropped Messages in Multi-Robot Systems, COMP600: Graduate Research Seminar, Rice University, December 2009.

Distributed Robotic Systems, UW Math Academy, July 2009.

Stochastically-Interacting Robots, UW CSE491: Robotics Capstone, March 2009.

Distributed Control and Estimation in Self-Organizing Robots, Special Seminar, Carnegie Mellon University, May 2008.

Segway Control System, UW EE447: Control Systems Analysis, October 2004.

### Students Advised

Albert Chiu, Senior Thesis, University of Washington, June 2010.

## Awards

Grace Hopper Scholarship Recipient, July 2010.

Nomination for TA Award, June 2005.