

Fayette W. Shaw

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University of Washington
Department of Electrical Engineering
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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, Ubiquicomp, September 2010.

PROFESSIONAL ACTIVITIES

Reviewer

ACM Transactions on Autonomous and Adaptive Systems (TAAS).

Automatica.

American Control Conference (ACC).

Conference on Decision and Control (CDC).

Hybrid Systems Controls Conference (HSCC).

International Conference on Robotics and Automation (ICRA).

International Conference on Intelligent Robotics and Systems (IROS).

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.