

Aaron Mathias Gage

*Curriculum Vitae*  
*as of February 2005*

13110-C Thomasville Circle  
Tampa, FL 33617-9511  
(813)230-7572  
agage@csee.usf.edu

## 1 Educational Background:

- Ph.D. Received December 2004 in Computer Science and Engineering, University of South Florida.
  - Thesis title: Multi-Robot Task Allocation Using Affect
  - Thesis advisor: Robin R. Murphy
  - Thesis area: Mobile robots, artificial intelligence
- M.S. Received August, 2001, in Computer Science and Engineering, University of South Florida.
- B.S. Received December, 1997, in Mathematical and Computer Sciences, Colorado School of Mines.

## 2 Employment History:

- August 1998 to December 2004: Graduate Research Assistant, Computer Science and Engineering, University of South Florida.
- January 1998 to August 1998: Graduate Research Assistant, Mathematics and Computer Science, Colorado School of Mines.
- May 1998 to July 1998: Student Consultant, Computing Center, Colorado School of Mines.
- November 1994 to December 1997: Student Assistant, Computer Vision Laboratory, Colorado School of Mines.

### 3 Teaching:

<i>University of South Florida, Computer Science and Engineering</i>		
Course	Credits	Date
CIS 4930/6930 Intro to AI Robotics	3	Fall 2001
EEL 5765 UNIX/C †	3	Spring 2001
CEN 4022-2 Software System Development †	3	Fall 2000

<i>Reykjavík University, School of Computer Science</i>		
Course	Credits	Date
Computer Security †	3	Spring 2003
Intro to AI Robotics	3	Spring 2002

† created course

### 4 Publications:

#### In Refereed Journals (2)

1. **Gage, A., and Murphy, R. R.**, “Sensor Scheduling in Mobile Robots Using Incomplete Information via Min-Conflict with Happiness,” *IEEE Transactions on Systems, Man and Cybernetics, Part B*, vol. 34, number 1, February 2004, pp. 454–467.
2. **Murphy, R. R., Lisetti, C. L., Tardif, R., Irish, L., and Gage, A.**, “Emotion-based control of cooperating heterogeneous mobile robots,” *IEEE Transactions on Robotics and Automation*, vol. 18, number 5, October 2002, pp. 744–757.

#### In Magazines (1)

1. **Gage, A., Murphy, R. R., Rasmussen, E., and Minten, B.**, “ShadowBowl 2003: Lessons Learned from a Reachback Exercise with Rescue Robots,” *IEEE Robotics and Automation Magazine*, vol. 11, number 3, September 2004, pp. 62–69.

#### In Refereed Conference Proceedings (5)

1. **Gage, A., and Murphy, R. R.**, “Affective Recruitment of Distributed Heterogeneous Agents,” *Proceedings of the Nineteenth National Conference on Artificial Intelligence*, San Jose, CA, July 25–29, 2004, pp. 14–19.
2. **Gage, A., and Murphy, R. R.**, “Principles and Experiences in using LEGOS to Teach Behavioral Robotics,” *Proceedings of the 33rd Annual ASEE/IEEE Frontiers in Education Conference (FIE 2003)*, Boulder, CO, November 5–8, 2003, pp. F4E-23–F4E-28.
3. **Zekri, S., Gage, A., Ying, S. J., Sundarrao, S., and Dubey, R. V.**, “Driving evaluation of persons with disabilities using an advanced vehicle interface system,”

*Proceedings of the 2002 IEEE/RSJ International Conference on Intelligent Robots and Systems*, vol. 2, September 30–October 5, 2002, pp. 1158–1164.

4. **Gage, A., and Murphy, R. R.**, “Sensor Allocation for Behavioral Sensor Fusion using Min-Conflict with Happiness,” *Proceedings of the 2000 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2000)*, vol. 3, October 31–November 5, 2000, pp. 1611–1618.
5. **Gage, A., and Murphy, R. R.**, “Allocating Sensor Resources to Multiple Behaviors,” *Proceedings of the 1999 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS '99)*, vol. 1, October 17–21, 1999, pp. 247–253.

#### **To Appear (1)**

1. **Long, M., Gage, A., Murphy, R. R., and Valavanis, K.**, “Application of the Distributed Field Robot Architecture to a Simulated Demining Task”, to appear in *Proceedings of the 2005 IEEE International Conference on Robotics and Automation (ICRA 2005)*.

## **5 Honors and Awards:**

Provost’s Commendation for Outstanding Teaching by a Graduate Student, University of South Florida, April 2002.