Erik Albert

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Research Interests

Planning for artificial agents in real world domains, focusing on:

- Predictive capabilities for informed commitment in reactive mission planning
- Focus of attention in planning
- Knowledge-based planning
- Multi-agent autonomous systems

My primary application domain is autonomous underwater vehicles (AUVs).

Education

Master of Science, Computer Science
University of Maine, College of Liberal Arts and Sciences, May 2006

Bachelor of Science, Computer Science (Summa Cum Laude)
University of Maine, College of Liberal Arts and Sciences, May 2002

Teaching Experience

Developed the course Introduction to Problem Solving using Computer Programming (COS 125) at the University of Maine. Instructor for the course in Fall 2005, Spring and Fall 2006, Fall 2007, and Spring 2008.

Publications

Erik Albert, Elise H. Turner, and Roy M. Turner. Appropriate Commitment Planning for AUV Control. In *Proceedings of the 15th International Symposium on Unmanned Untethered Submersible Technology (UUST)*. 2007.

Elise H. Turner, Erik Albert, Roy M. Turner, and Laurence Latour. Retaining Majors Through the Introductory Sequence. In *Proceedings of the 2007 ACM Technical Symposium on Computer Science Education (SIGCSE'07)*. 2007.

Erik Albert, Elise H. Turner, and Roy M. Turner. Appropriate Commitment Planning. Computer Science Technical Report, University of Maine, Orono, ME 04469. 2006.

Elise H. Turner, Roy. M. Turner, and Erik Albert. Placing Newly-Arising Goals in the Proper Context. In *Workshop notes for Cooperative Systems and Context Workshop of the Fifth International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT-05)*. 2005.

Erik Albert, Jonathan Bilodeau, and Roy M. Turner. Interfacing the CoDA and CADCON simulators: A multi-fidelity simulation testbed for autonomous oceanographic sampling networks. In *Proceedings of the 13th International Symposium on Unmanned Untethered Submersible Technology (UUST)*. 2003.

Thomas Wagner, John Phelps, Yuhui Qian, Erik Albert, and Glen Beane. "A Modified Architecture for Constructing Real-Time Information Gathering Agents." *Agent Oriented Information Systems (AOIS)*. 2001.

Professional Meetings Attended

The 15th International Symposium on Unmanned Untethered Submersible Technology (UUST) in Durham, NH. August, 2007.

The National Conference on Artificial Intelligence (AAAI) in Boston, MA. July 2006.

The 14th International Symposium on Unmanned Untethered Submersible Technology (UUST) in Durham, NH. Presented research by Drs. Roy and Elise Turner. August, 2005.

The International Conference on Automated Planning and Scheduling (ICAPS) in Monterey, CA. June, 2005.

The 13th International Symposium on Unmanned Untethered Submersible Technology (UUST) in Durham, NH. Presented research on interfacing the CoDA and CADCON simulators. August, 2003.

Agent Institute workshop in Augusta, ME. Presented senior capstone research and presented research during poster session. Workshop attended by academics and legislators. February, 2001.

Agent Institute workshop in Portland, ME. Presented research during poster session. Workshop attended by commercial parties and academics. December, 2000.

Teaching Workshops Attended

The Teaching Portfolio: A Workshop for Graduate Students, Graduate Teaching Assistants, and Their Advisors. Hosted by the Center for Teaching Excellence, University of Maine. 2007.

Preparing for Academic Careers: For Graduate Students and Their Advisors. Hosted by the Center for Teaching Excellence, University of Maine. 2006.

Professional Societies

Association for the Advancement of Artificial Intelligence (AAAI)
Association for Computing Machinery (ACM)
ACM Special Interest Group on Artificial Intelligence (SIGART)
IEEE

Honors and Awards

The UMaine Center for Teaching Excellence Exemplary Teaching Instruction Award

UMaine Summer Research Fellowship (2008)

MEIF Summer Graduate Fellowship (2007)

Upsilon Pi Epsilon Honor Society
- Chapter president 2002 - 2008
- Chapter vice president 2001 - 2002

Phi Kappa Phi Honor Society

Golden Key International Honour Society

Hill Top Scholar Award

Dean's Award for Research and Creative Achievement

High School Salutatorian