Biographical Sketch

Jeffrey A. Wiegley, Ph.D.

Professional Preparation

University of Southern California	Ph.D., December 1998
State University of New York at Buffalo	B.S., May 1991

Professional Appointments

California State University Northridge

Professor, Department of Computer Science	2014 – Present
Associate Professor, Department of Computer Science	2008 – 2014
Assistant Professor, Department of Computer Science	2002 – 2008
Director of Pioneering Technology Group	2010–2013

National Telemedia Corporation

Network Systems Manager	1999 – 2002

MarchFirst

Systems Analyst/Administrator	1997 – 1999

Publications

CSU Northridge ETD Workflow, Fitzgerald, Steve, Wiegley, Jeff, et al., United States Electronic Theses and Dissertation Association (peer-reviewed, presentation based conference), Claremont, CA July 2013

GSP: Extending G-Code using JSP servlet technologies, Nagle, Sean, Wiegley, Jeffrey A. IEEE Automation Science and Engineering, 2008.

Development of Engaging Projects for Embedded Applications, Wiegley, Jeffrey A. ASEE, 2008.

Priority Approximation for Batching, Bein, Wolfgang W., Noga, John, Wiegley, Jeffrey A. HICSS, 2008.

Experiments with Balanced-Sample Binary Trees, Barnes, Michael G., Noga, John, Smith, Peter D., Wiegley, Jeffrey A. SIGCSE, 2005.

Sorting Convex Polygonal Parts Without Sensors on a Conveyor, Wiegley, Jeffrey A. Ph.D. Thesis, University of Southern California. December 1998.

The Mercury Project: A Feasibility Study for Internet Robots, K. Goldberg, S. Gentner, C. Sutter, and J. Wiegley. IEEE Robotics and Automation Magazine, 1999.

A Complete Algorithm for Designing Passive Fences to Orient Parts, K. Goldberg, J. Wiegley, M. Peshkin, and M. Brokowski. Assembly Automation, August 1997. Award recipient: "Highly Commended". K. Goldberg, J. Santarromana, G. Bekey, S. Gentner, R. Morris, C. Sutter and J. Wiegley. SPIE OE Reports, June 1996.

A Complete Algorithm for Designing Passive Fences to Orient Parts, K. Goldberg, J. Wiegley, M. Peshkin, and M. Brokowski. IEEE International Conference on Robotics and Automation, Minneapolis, MN. April 1996.

Beyond the Web: Manipulating the Physical World via the WWW, K. Goldberg, M. Mascha, S. Gentner, J. Rossman, N. Rothenberg, C. Sutter and J. Wiegley. Computer Networks and ISDN Systems Journal, 28(1), December 1995.

Desktop Teleoperation via the WWW, K. Goldberg, M. Mascha, S. Gentner, N. Rothenberg, C. Sutter and J. Wiegley. 1995 IEEE ICRA.

Beyond the Web: Excavating the Real World via Mosaic, K. Goldberg, M. Mascha, S. Gentner, J. Rossman, N. Rothenberg, C. Sutter and J. Wiegley. The 2nd International World Wide Web Conference, Chicago, IL. Oct 1994.

A Pivoting Gripper for Feeding Industrial Parts, K. Goldberg, B. Carlisle, A. Rao and J. Wiegley. ICRA, San Diego, CA. May 1994.

Computing a Statistical Distribution of Stable Poses for a Polyhedron, K. Goldberg, J. Wiegley and A. Rao. 30th Annual Allerton Conference on Communications, Control and Computing, University of Illinois, September, 1992.