

Vision, Learning, Robotics – Service

Josef Pauli

Books

- R. Arkin: Behavior-based Robotics. The MIT Press, Cambridge, Massachusetts, 1998.
- K. Hashimoto, ed.: Visual Servoing. World Scientific Series in Robotics and Intelligent Systems, volume 7, 1993.
- J. Demiris and A. Birk, eds.: Interdisciplinary Approaches to Robot Learning. World Scientific Series in Robotics and Intelligent Systems, volume 24, 2000.
- J. Franklin, T. Mitchell, and S. Thrun, eds.: Recent Advances in Robot Learning. Kluwer International Series in Engineering and Computer Science, volume 368, 1996.
- R. Klette, S. Peleg, and G. Sommer, eds.: Robot Vision. Springer-Verlag, Berlin, LNCS 1998, 2001.
- R. Murphy: An Introduction to AI Robotics. The MIT Press, Cambridge, Massachusetts, 2000.
- J. Pauli: Learning-Based Robot Vision. Springer Verlag, Berlin, LNCS 2048, 2001.
- U. Rost: Maschinelles Lernen für die Adaption von Parametern in Bildverarbeitungssystemen. VDI Verlag, Düsseldorf, Fortschritt-Bericht 633, 2000.

Journals

- IEEE Trans. on Pattern Analysis and Machine Intelligence
<http://www.computer.org/tpami/>
- Computer Vision and Image Understanding
<http://www.apnet.com/www/journal/iv.htm>
- IEEE Trans. on Neural Networks
<http://www.ieee-nns.org/pubs/tnn/>
- Neural Computation
<http://www.mitpress.edu/neco/>
- IEEE Trans. on Robotics and Automation
<http://www.ncsu.edu/IEEE-RAS/TRA/TRA.html>
- Robotics and Autonomous Systems
<http://www.elsevier.com/locate/robot/>
- Autonomous Robots
<http://www-robotics.usc.edu/auro/>

Conferences, Workshops

- Int. Conference on Computer Vision (ICCV), October 14-17, 2003, Beijing, China,
<http://www.cvl.iis.u-tokyo.ac.jp/iccv2003/>
- Symposium of the German Association for Pattern Recognition (DAGM), September 10-12, Magdeburg,
<http://dagm03.uni-magdeburg.de/>
- Int. Conference on Computer Vision Systems (ICVS), April 1-3, 2003, Graz, Österreich,
<http://dib.joanneum.at/ICVS03>
- Int. Joint Conference on Neural Networks (IJCNN), July 20-24, 2003, Portland, Oregon,
<http://cil.ece.uic.edu/ijcnn03/>
- IEEE Int. Conference on Robotics and Automation (ICRA), May 12-17, Taiwan,
<http://www.icra2003.org/>
- IEEE Int. Workshop on Safety, Security and Rescue Robotics (SSRR), February 19-20, 2003, Tampa, Florida,
<http://www.csee.usf.edu/robotics/SSRR03/>

Projects

- EU initiative on Cognitive Vision Systems (ECVision), includes about 8 projects,
<http://www.ecvision.info>
- EU initiative on Life-like Perception Systems (LPS), includes about 10 projects,
<http://www.cordis.lu/ist/fetbi-sy.htm>
- EU research network on Robotics Research (EURON),
<http://www.euron.org/>

- EU initiative Beyond Robotics, includes about 20 projects,
<http://www.cordis.lu/ist/fetro.html>
- EU initiative on Neuroinformatics for Living Artefacts (NLA), includes about 11 projects,
<http://www.cordis.lu/ist/fetni-sy.htm>
- Kernel regression methods for robot learning: Max-Planck Institute for Biological Cybernetics, Tübingen.
<http://www.kyb.tuebingen.mpg.de/projects.html?prj=140>
- See also project descriptions in this journal issue.

Further web-sites

- Computer Vision Homepage at CMU
<http://www-2.cs.cmu.edu/~cil/vision.html>
- CVonline Tutorial on Computer Vision
<http://www.dai.ed.ac.uk/CVonline/>
- Machine Learning Resources (AAAI)
<http://www.aaai.org/AITopics/html/machine.html>
- German Robotics Server
http://wwwipr.ira.uka.de/~germ_rob/robotik.html
- Research groups on Robot Learning in USA
<http://cygnus.uta.edu/rl.html>
- World Scientific Series in Robotics and Intelligent Systems
http://www.wspc.com/books/series/wssris_series.shtml