

Dr. Hashem Tamimi

Background

- 1990 - 1995 Undergraduate Study of Computer Systems Engineering at Palestine Polytechnic University, Hebron, Palestine.
- 1997 - 1999 Graduate Study of Computer Science at University of Jordan, Amman, Jordan. [DAAD Scholarship](#)
- 1999 - 2001 Lecturer at Palestine Polytechnic University.
- Since April 2002 PhD Student at the Department of Computer Architecture, University of Tuebingen, Tuebingen, Germany. *DAAD Scholarship*.



Research interests

- Neural Networks and Fuzzy Logic.
- Image Processing.

Current projects

- Vision-based robot localization.

Publications

Using Local Integral Invariants for Object Recognition in Complex Scenes

Alaa Halawani, Hashem Tamimi, Hans Burkhardt, Andreas Zell,

Accepted at the International Conference on Image Analysis and Recognition (ICIAR 2006), Póvoa de Varzim, Portugal, September 18-20, 2006

Appearance-based Localization of Mobile Robots using Local Integral Invariants,

Hashem Tamimi, Alaa Halawani, Hans Burkhardt, Andreas Zell,

accepted at the 9th International Conference on Intelligent Autonomous Systems (IAS-9), Tokyo, Japan, pp. 181-188, March 7 - 9, 2006.

Using Descriptive Image Features for Global Localization of Mobile Robots,

Hashem Tamimi, Alaa Halawani, Hans Burkhardt, Andreas Zell,

Proceedings of the 19th Autonomous Mobile Systems (AMS), Stuttgart, Germany, December 8-9, 2005.

Using Scale Space Image Histograms for global Localization of Mobile Robots

Hashem Tamimi and Andreas Zell,

accepted at the 36th International Symposium Robotics (ISR 2005), Tokyo, Japan.

Global Robot localization using Iterative Scale Invariant Feature Transform

Hashem Tamimi and Andreas Zell,

accepted at the 36th International Symposium Robotics (ISR 2005), Tokyo, Japan.

Localization of Mobile Robots with Omnidirectional Vision using Particle Filter and Iterative SIFT

Hashem Tamimi, Henrik Andreasson, André Treptow, Tom Duckett and Andreas Zell

accepted at the 2005 European Conference on Mobile Robots (ECMR05), Ancona, Italy, September 7-10, 2005

Robot Navigation Using Biosonar for Natural Landmark Tracking

Maosen Wang, Hashem Tamimi and Andreas Zell

accepted at the 6th IEEE International Symposium on Computational Intelligence in Robotics and Automation (CIRA 2005), Espoo, Finland.

Vision based Localization of Mobile Robots using Kernel approaches

Hashem Tamimi and Andreas Zell

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2004), Sendai, Japan, September 28 - October 2, 2004.

Vision-based Global Localization of a Mobile Robot using Wavelet Features

Hashem Tamimi and Andreas Zell

Proceedings of the 18th Autonomous Mobile Systems (AMS), Karlsruhe, 4./5. December 2003, pp. 32-41



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