

## Overview of Poster Presentations for the Poster Night on Monday, August 30th (at the Foyer Kupferbau)

Numbers in brackets after the titles refer to poster board positions in the hall

<u>Poster Title</u>	<u>Author(s)</u>
Level Set Based Image Segmentation with Multiple Regions (14)	Thomas Brox and Joachim Weickert
Fast Statistically Geometric Reasoning About Uncertain Line Segments in 2D- and 3D-Space (12)	Christian Beder
Practical Gaze Point Detecting System (41)	Kang Ryoung Park
Silhouette Based Human Motion Estimation (23)	Bodo Rosenhahn, Reinhard Klette and Gerald Sommer
Cooperative Optimization for Energy Minimization in Computer Vision: A Case Study of Stereo Matching (19)	Xiaofei Huang
Using Pattern Recognition for Self-localization on Wafers (43)	Michael Lifshits, Roman Goldenberg, Ehud Rivlin and Michael Rudzsky
Vectorization-Free Reconstruction of 3D CAD Models from Paper Drawings (33)	Frank Ditrich, Herbert Suesse and Klaus Voss
MinOver Revisited for Incremental Support-Vector-Classification (1)	Thomas Martinetz
Shape from shading under coplanar light sources (17)	Christian Wöhler
Building a Motion Resolution Pyramid by Combining Velocity Distributions (24)	Julian Eggert, Volker Willert and Edgar Körner
A Semantic Typicality Measure for Natural Scene Categorization (2)	Julia Vogel and Bernt Schiele

Poster Title	Author(s)
CVPIC Colour/Shape Histograms for Compressed Domain Image Retrieval (15)	Gerald Schaefer
A Stratified Self-calibration Method for a Stereo Rig in Planar Motion with Varying Intrinsic Parameters (25)	Yan Li and Yeung Sam Hung
Tunable Nearest Neighbor Classifier (3)	Yonglei Zhou, Changshui Zhang and Jingchun Wang
Feature and Viewpoint Selection for Industrial Car Assembly (44)	Dirk Stöbel, Marc Hanheide, Gerhard Sagerer, Lars Krüger and Marc Ellenrieder
SVM-based Feature Selection by Direct Objective Minimisation (4)	Julia Neumann, Christoph Schnörr and Gabriele Steidl
Large Vocabulary Audio-Visual Speech Recognition Using the Janus Speech Recognition Toolkit (30)	Jan Kratt, Florian Metze, Rainer Stiefelhagen and Alex Waibel
Globally Consistent 3-D Reconstruction by Utilizing Loops in Camera Movement (34)	Ingo Scholz and Heinrich Niemann
Lesion preserving image registration with applications to human brains (39)	Stefan Henn, Lars Hömke and Kristian Witsch
A model of motion, stereo and monocular depth perception (13)	Pierre Bayerl and Heiko Neumann
Modelling Spikes with Mixtures of Factor Analysers (36)	Dilan Görür, Carl Edward Rasmussen, Andreas S. Tolias, Fabian Sinz and Nikos K. Logothetis
Learning with Distance Substitution Kernels (5)	Bernard Haasdonk and Claus Bahlmann

## Poster Title

## Author(s)

Automating Microscope Colour Image Analysis using the Expectation Maximisation Algorithm (42)

Alexander Ihlow and Udo Seiffert

Efficient Feature Tracking for Long Video Sequences (26)

Timo Zinßer, Christoph Gräßl and Heinrich Niemann

Recognition of Deictic Gestures with Context (27)

Nils Hofemann, Jannik Fritsch and Gerhard Sagerer

Features for Image Retrieval: A Quantitative Comparison (6)

Thomas Deselaers, Daniel Keysers and Hermann Ney

Mosaics from Arbitrary Stereo Video Sequences (20)

Nicolas Gorges, Marc Hanheide, William Christmas, Christian Bauckhage, Gerhard Sagerer and Joseph Kittler

Learning from Labeled and Unlabeled Data Using Random Walks (7)

Dengyong Zhou and Bernhard Schölkopf

Learning Depth from Stereo (8)

Fabian H. Sinz, Joaquin Quinonero Candela, Goekhan H. Bakir, Carl Edward Rasmussen and Matthias O. Franz

Learning to Find Graph Pre-Images (9)

Gökhan Bakır, Alexander Zien and Koji Tsuda

Pose Estimation for Multi-Camera Systems (18)

Jan-Michael Frahm, Kevin Köser and Reinhard Koch

Accurate and Efficient Approximation of the Continuous Gaussian Scale-Space (21)

Ullrich Köthe

Multi-Step Entropy Based Sensor Control for Visual Object Tracking (28)

Benjamin Deutsch, Matthias Zobel, Joachim Denzler and Heinrich Niemann

## Poster Title

## Author(s)

Camera Orientation of Mars Express using DTM Information (45)

Christian Heipke, Heinrich Ebner, Ralph Schmidt,  
Michael Spiegel, Rüdiger Brand and Albert Baumgartner

Detection and Classification of Gateways for the Acquisition of Structured  
Robot Maps (46)

Derik Schroeter, Thomas Weber, Michael Beetz and  
Bernd Radig

An Algorithm for Fast Pattern Recognition with Random Spikes (37)

Udo Ernst, David Rotermund and Klaus Pawelzik

Sequential Multivariate Regression via Stiefel Manifold Constraints (10)

Goekhan Bakir, Arthur Gretton, Matthias Franz and  
Bernhard Schoelkopf

The Redundancy Pyramid and its Application to on an Image Sequence (16)

Jocelyn Marchadier, Walter Kropatsch and Allan Hanbury

Snake-Aided Automatic Organ Delineation (40)

Weibing Xu, Saad Amin, Olivier Haas, Keith Burnham  
and John Mills

Real Time high Speed Measurement of Photogrammetric Targets (47)

Georg Wiora, Pavel Babrou and Reinhard Männer

Spatio-temporal Segmentation using Laserscanner and Video Sequences (29)

Nico Kaempchen, Markus Zocholl and Klaus Dietmayer

A Higher Order MRF-Model for Stereo-Reconstruction (22)

Boris Flach, Dmitrij Schlesinger and Alexander  
Shekhovtsov

Hilbertian Metrics on Probability Measures and their Application in SVM's (11)

Matthias Hein, Thomas Navin Lal and Olivier Bousquet

A Probabilistic Framework for Robust and Accurate Matching of Point  
Clouds (35)

Peter Biber, Sven Fleck and Wolfgang Straßer

## Poster Title

## Author(s)

The perceptual influence of spatiotemporal noise on the reconstruction of shape from dynamic occlusion (38)

Theresa Cooke, Douglas Cunningham and Heinrich Buelthoff

Adaptive Computer Vision: Online Learning for Object Recognition (31)

Holger Bekel, Ingo Bax, Gunther Heidemann and Helge Ritter

Robust Pose Estimation for Arbitrary Objects in Complex Scenes (32)

Peter Doerfler and Clemens Schnurr

A Simple New Method for Precise Lens Distortion of Low-Cost Camera Systems (48)

Christian Bräuer-Burchardt