

10th Computer Vision Winter Workshop CVWW 2005

February 2 - 4, 2005
Zell an der Pram, Upper Austria



PROGRAMME

All papers are presented orally. Speakers have 20 minutes for the talk followed by 5 minutes for questions.

Wednesday the 2nd of February

11:00 Registration opens

12:00 Lunch

13:45 Welcome

13:50 **Session: Recognition (Chair: Jiri Matas)**

1. Stepan Obdrzalek, Jiri Matas
On the Stability of Local Affine Frames for the Correspondence Problem
2. Georg Langs, Philipp Peloschek, Horst Bischof
MDL Based Splitting of PCA Models
3. Helmut Grabner, Csaba Beleznai, Horst Bischof
Improving AdaBoost Detection Rate by Wobble and Mean Shift
4. Peter Roth, Horst Bischof
Object Detection with Bootstrapped Learning

15:30 Coffee Break

16:00 **Session: Texture and Segmentation (Chair: Walter Kropatsch)**

1. Adrian Ion, Yll Haximusa, Walter Kropatsch, Luc Brun
Hierarchical Image Partitioning using Combinatorial Maps
2. Branislav Micusik, Allan Hanbury
Semi-automatic Segmentation of Textured Images
3. Martin Lettner, Robert Sablatnig
Texture based Drawing Tool Classification in Infrared Reflectogramms

18:00 Theatre presentation by members of the State Theatre, Linz (1 hour)

20:00 Conference Dinner

Thursday the 3rd of February

9:00 Invited Talk (Chair: Horst Bischof)

David Nister

The Soft Reset Problem: A Challenge to the Community

10:15 Coffee Break

10:45 Session: Medical Imaging (Chair: Allan Hanbury)

1. Rene Donner, Georg Langs, Michael Reiter, Horst Bischof
CCA-based Active Appearance Model Search
2. Thomas Walter, Jean-Claude Klein
A morphological approach for skeleton filtering with reconstruction of the relevant branches
3. Thomas Pock, Christian Janko, Reinhard Beichel, Horst Bischof
Multiscale Medialness for Robust Segmentation of 3D Tubular Structures
4. Sebastian Zambanini, Georg Langs, Robert Sablatnig
Segmentation and Surveying of Cutaneous Hemangiomas

12:25 Coffee Break

13:45 Session: Applications (Chair: Ales Leonardis)

1. Matthias R  ther, Martina Uray
An Optical Measurement Device for Evaluating Dust Deposition on Flexible Filter Surfaces
2. Hubert Mara, Robert Sablatnig
A Comparison of Manual, Semiautomatic and Automatic Profile Generation for Archaeological Fragments
3. Joseph Newman, Gerhard Schall, Dieter Schmalstieg
Rapid and Accurate Deployment of Fiducial Markers for Augmented Reality
4. Josep Aguilera Antequera, Martin Kampel, Philipp Blauensteiner
Robust Detection and Performance Evaluation of Individuals and Vehicles on an Airport's Apron

15:25 Coffee Break

Social Event

16:00 Departure of the bus to Sch  rding

16:30 Guided tour of the Kapsreiter Brewery

17:30 Bavarian Veal Sausage (We  swurst) and Beer

19:45 Guided tour of Sch  rding by the local Night-Watchman

Later Back by bus to the castle in Zell an der Pram, where beer and a cold buffet will be waiting

Friday the 4th of February

9:00 Session: Image Analysis and Panoramic Images

(Chair: Friedrich Fraundorfer)

1. Matej Kristan, Janez Pers, Matej Perse, Stanislav Kovacic
Bayes Spectral Entropy-Based Camera Focusing
2. Ahmed Nabil Belbachir, Peter Goebel
A Sparse Image Representation Using Contourlets
3. Matej Artac, Hynek Bakstein, Matjaz Jogan, Ales Leonardis
Robot Localisation using Panoramic Volumes
4. Ales Stimec, Matjaz Jogan, Ales Leonardis
A hierarchy of cognitive maps from panoramic images

10:40 Coffee Break

11:10 Session: Pattern Recognition (Chair: Vaclav Hlavac)

1. Felix Lee, Horst Bischof, Gert Pfurtscheller
Multi-Class EEG Classification for Brain Computer Interface using Support Vector Machine
2. Christian Asinger, Paul Kammerer, Ernestine Zolda, Petra Tatzert
Classification of Color Pigments in Hyperspectral Images
3. Jiri Matas, Ondrej Chum
Optimal Randomised RANSAC

12:25 Lunch and end of workshop