Sunday 29.8. (Max Planck House)

14:00 - 16:00	*Tutorial 1: Carl Edward Rasmussen* Title: Gaussian Processes in Machine Learning
16:00 - 17:00	*break*
17:00 - 19:00	*Tutorial 2: Martin Giese* Title: Learning-based representation of human body movements: Studies in brains and machines
19:30	*Registration + Get-Together, in Max Planck House*

Monday 30.8. (Kupferbau)

from 8:00 *30.8. - 1.9.*   *Registration*

 9:00 - 9:15   *Opening*

 9:15 - 10:00   *Olympus-Award-Presentation + Talk*

10:00 - 10:30   *break*

10:30 - 12:00   *Session 1: **Learning - Chair: Joachim Buhmann***
10:30 - 11:00   Predictive Discretization during Model Selection, by Steck, Jaakkola
11:00 - 11:30   Adaptive Feature Selection in Image Segmentation, by Roth, Lange
11:30 - 12:00   Semi-supervised kernel regression using whitened function classes, by Franz, Rasmussen, Schoelkopf

12:00 - 14:00   *Lunch break*

14:00 - 15:15   *Stefan Schaal (Invited Speaker)*
                                   Title: Real-Time Statistical Learning for Humanoid Robotics

15:15 - 16:15   *Session 2: **Bayesian Approaches - Chair: Gerald Sommer***
15:15 - 15:45   Fast Monocular Bayesian Detection of Independently Moving Objects by a Moving Observer, by Woelk, Koch
15:45 - 16:15   Kernel Density Estimation and Intrinsic Alignment for Knowledge-driven Segmentation: Teaching Level Sets to Walk, by Cremers, Osher, Soatto

16:15 - 16:30   *break*

16:30 - 18:00   *Session 3: **Vision/Faces - Chair: Hermann Ney***
16:30 - 17:00   3D Head Pose Estimation with Symmetry based Illumination Model in Low Resolution Video, by Gründig, Hellwich
17:00 - 17:30   Efficient Approximations for Support Vector Machines in Object Detection by Kienzle, Bakir, Franz, Schoelkopf
17:30 - 18:00   Efficient Face Detection by a Cascaded Support Vector Machine using Haar-like Features, by Rätsch, Romdhani, Vetter

18:00 - 20:00   *Dinner break*

20:00   *Poster Night*

Tuesday 31.8. (Kupferbau)

9:00 - 10:30   *Session 4: **Vision/Motion - Chair: Bernd Jaehne***

9:00 - 9:30   Differential Analysis of Two Model-Based Vehicle Tracking Approaches, by Dahlkamp, Pece, Ottlik, Nagel

9:30 - 10:00   Efficient Computation of Optical Flow, by Stein

10:00 - 10:30   Hybrid Model-based Estimation of Multiple Non-dominant Motions, by Jacobs, Hermes, Herzog

10:30 - 11:00   *break*

11:00 - 12:00   *Session 5: **Biologically Motivated Approaches - Chair: Walther Kropatsch***

11:00 - 11:30   A probabilistic measure for evaluating regions-of-interest based attention algorithms, by Clauss, Bayerl, Neumann

11:30 - 12:00   POI Detection using Channel Clustering and the 2D Energy Tensor, by Felsberg, Granlund

12:00 - 14:00   *Lunch break*

14:00 - 15:15   *Vladimir Vapnik (Invited Speaker)*
                                Title: Empirical Inference

15:15 - 15:45   *break*

15:45 - 17:15   *Session 6: **Segmentation - Chair: Friedrich Wahl***

15:45 - 16:15   3D Segmentation and Quantification of Human Vessels based on a New 3D Parametric Intensity Model, by Wörz, Rohr

16:15 - 16:45   Hierarchical Image Segmentation based on Semidefinite Programming, by Keuchel, Schnoerr, Heiler

16:45 - 17:15   Fast Random Sample Matching of 3d Fragments, by Winkelbach, Rilk, Schönfelder, Wahl

17:30 - 18:30   DAGM-Member-Assembly (Lecture Hall Kupferbau No. 21)

20:00   *Conference Dinner*

Wednesday 1.9. (Kupferbau)

9:00 - 10:15   *Pietro Perona (Invited Speaker)*
Title: Towards unsupervised learning of object categories

10:15 - 10:30   *break*

10:30 - 12:00   *Session 7:* **Object Recognition - Chair: Heinrich Niemann**
10:30 - 11:00   Invariants for Discrete Structures - An Extension of Haar Integrals over Transformation Groups to Dirac Delta Functions, by Burkhardt, Reisert, Li
11:00 - 11:30   Scale-Invariant Object Categorization using a Scale-Adaptive Mean-Shift Search, by Leibe, Schiele
11:30 - 12:00   Pixel to Pixel Matching for Image Recognition using Hungarian Graph Matching, by Keysers, Deselaers, Ney

12:00 - 14:00   *Lunch break*

14:00 - 15:30   *Session 8:* **Object Recognition / Synthesis - Chair: Hans Burkhardt**
14:00 - 14:30   Estimation of Multiple Orientations at Corners and Junctions, by Mota, Stuke, Aach, Barth
14:30 - 15:00   Phase Based Image Reconstruction in the Monogenic Scale Sapce, by Zang, Sommer
15:00 - 15:30   Synthesizing Movements for Computer Game Characters, by Thurau, Bauckhage, Sagerer

15:30 - 15:45   *break*

15:45 - 17:00   *William T. Freeman (Invited Speaker)*
Title: Sharing features for multi-class object detection

17:00   *Closing + Farewell Drink*