

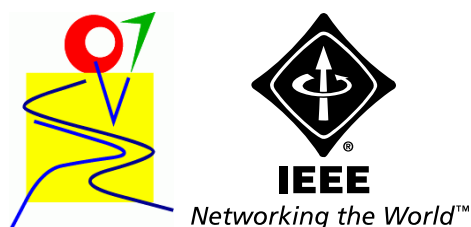
Proceedings

Second IEEE International Workshop on  
Performance Evaluation of  
Tracking and Surveillance  
(PETS'2001)

December 9, 2001  
Kauai, Hawaii, USA

In conjunction with IEEE Computer Society Conference on  
Computer Vision and Pattern Recognition (CVPR'01)

In cooperation with IEEE Computer Society and IEEE TC-PAMI



# Preface

Welcome to the proceedings of the Second IEEE International Workshop on Performance Evaluation of Tracking and Surveillance (PETS'2001), December 9, 2001 in Kauai, Hawaii, USA. This workshop is being held in conjunction with the Computer Vision and Pattern Recognition Conference (CVPR'01).

The workshop continues the theme of the highly successful PETS'2000 workshop held in Grenoble, France, in March 2000. The principal motivation for this workshop is that recent advances in visual tracking/surveillance research have not been met with complementary systematic performance evaluation. It is especially difficult to draw comparisons between algorithms if they have been tested on different datasets under widely varying conditions. In PETS, all participants are applying their algorithms to the same datasets. For this workshop, the scenario is an outdoor environment containing moving people and vehicles.

PETS'2001 is one of a set of three workshops at CVPR'01 this year which cover algorithmic performance evaluation and experimental methods. This reflects the growing importance of performance characterisation in the computer vision field.

We would like to thank all of those who have contributed papers to the workshop. Each paper was reviewed by at least two reviewers with a third reviewer in many cases. The final programme consists of 11 oral presentations, an invited speaker and an overall evaluation and panel discussion session. The final paper decisions were based on technical content and application to, and evaluation of results based on, the PETS'2001 datasets. The programme includes three main themes: combined people and vehicle tracking, appearance-based tracking, and multiview tracking.

We would also like to thank the members of the programme committee and additional reviewers for their prompt and detailed reviewing of the papers. Finally, thanks to Kevin Bowyer, workshop chair, and Pat Flynn, publications chair, for coordination and help with the organisation of the workshop.

We hope that you enjoy the proceedings and encourage you to apply your methods to the datasets, and to evaluate the results.

*PETS'2001 Steering Committee  
December 2001*

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