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Computer Vision in Human-Computer Interaction

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Proceedings

Volume Editors

Nicu Sebe
University of Amsterdam, Faculty of Science
The Netherlands
E-mail: nicu@science.uva.nl

Michael S. Lew
Leiden University, LIACS Media Lab
Niels Bohrweg 1, 2333 CA Leiden
The Netherlands
E-mail: mlew@liacs.nl

Thomas S. Huang
University of Illinois at Urbana-Champaign
Beckman Institute
Urbana, IL 61801, USA
E-mail: huang@ifp.uiuc.edu

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Preface

Human-Computer Interaction (HCI) lies at the crossroads of many scientific areas including artificial intelligence, computer vision, face recognition, motion tracking, etc. In order for HCI systems to interact seamlessly with people, they need to understand their environment through vision and auditory input. Moreover, HCI systems should learn how to adaptively respond depending on the situation.

The goal of this workshop was to bring together researchers from the field of computer vision whose work is related to human-computer interaction. The selected articles for this workshop address a wide range of theoretical and application issues in human-computer interaction ranging from human-robot interaction, gesture recognition, and body tracking, to facial features analysis and human-computer interaction systems.

This year 74 papers from 18 countries were submitted and 22 were accepted for presentation at the workshop after being reviewed by at least 3 members of the Program Committee. We had therefore a very competitive acceptance rate of less than 30% and as a consequence we had a very-high-quality workshop.

We would like to thank all members of the Program Committee for their help in ensuring the quality of the papers accepted for publication. We are grateful to Dr. Jian Wang for giving the keynote address.

In addition, we wish to thank the organizers of the 10th IEEE International Conference on Computer Vision and our sponsors, University of Amsterdam, Leiden Institute of Advanced Computer Science, and the University of Illinois at Urbana-Champaign, for support in setting up our workshop.

August 20, 2005

Nicu Sebe
Michael S. Lew
Thomas S. Huang

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