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Image Analysis

15th Scandinavian Conference, SCIA 2007
Aalborg, Denmark, June 10-14, 2007
Proceedings

Springer

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Preface

The present volume contains the proceedings of the Scandinavian Conference on Image Analysis, SCIA 2007, held at Hotel Hvide Hus, Aalborg, Denmark, June 10–14, 2007.

Initiated in 1979 by Torleiv Orhaug in Sweden, SCIA 2007 represented the 15th in the biennial series of conferences. It is arranged in turn by the Scandinavian countries of Sweden, Finland, Denmark, and Norway, making it a regional conference. However, judging by the nationalities of contributing authors and participants, it is also an international conference.

Worldwide, there is no lack of conferences on image analysis. Indeed, hardly a day passes without an announcement of yet another conference. Therefore the pattern recognition societies of the Scandinavian countries take particular pride in being able to continue the SCIA tradition. SCIA has indeed matured over the many years it has been in existence, but in our opinion SCIA has maintained flexibility and has been able to adopt and incorporate necessary changes and adjustments over that time span. An important key to the success of SCIA is the constant and continuing high quality of the scientific content. Furthermore, the relaxed and friendly atmosphere of the conference itself is well known within the community. The objective to keep in mind must be to continue along those lines.

The number of submissions for this year's event was an impressive 228. Of these, 99 can be found in the present proceedings, leading to an acceptance rate of 43%. In order to optimize the outcome for the participants, the conference was organized as a single track event. Thirty-three papers were presented in the oral sessions and 66 were presented in the poster sessions. Each paper was reviewed by at least two peers. Acceptance was based solely on these reviews. The papers can roughly be grouped into the following topics: computer vision; 2D and 3D reconstruction; classification and segmentation; medical and biological applications; appearance and shape modeling; face detection, tracking and recognition; motion analysis; feature extraction and object recognition. Two tutorials preceded the conference.

A conference is the result of careful planning and lots of work from numerous volunteers. It is important that we acknowledge these important contributions. We thank the invited speakers for enlightening us in their areas of research and the contributing scientists for their presentations. Furthermore, we thank the reviewers for the pleasant interaction during the review process and for the excellent work in helping to maintain the high quality of SCIA.

It is our sincere hope that the participants had an enjoyable and fruitful experience, both scientifically and socially, in Aalborg.

June 2007

Bjarne Kjær Ersbøll
Kim Steenstrup Pedersen

Organization

SCIA 2007 was organized jointly by Aalborg University, the Technical University of Denmark (DTU), the Department of Computer Science at University of Copenhagen, and the IT University of Copenhagen.

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