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Jacques Blanc-Talon
Wilfried Philips
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Paul Scheunders (Eds.)

Advanced Concepts for Intelligent Vision Systems

9th International Conference, ACIVS 2007
Delft, The Netherlands, August 2007
Proceedings

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Preface

This volume collects the papers accepted for presentation at the Ninth International Conference on “Advanced Concepts for Intelligent Vision Systems” (ACIVS 2007). The ACIVS conference was established in 1999 in Baden-Baden (Germany) as part of a large multiconference. Since then ACIVS has been developed as an independent scientific event and has maintained the tradition of being a single track event with oral presentations of 25 minutes each, even though the number of participants has been steadily growing every year. The conference currently attracts computer scientists from more than 20 countries, mostly from Europe, Australia and Japan, but also from the USA, Asia and the Middle East.

Although ACIVS is a conference on all areas of image and video processing, submissions freely gather within some major fields of interest. More than a quarter of the selected papers deal with image and video coding, motion estimation, moving object detection and other video applications. This year, topics related to biometrics, pattern recognition and scene understanding for security applications (including face recognition) constitute about a fifth of the conference. Image processing – which has been the core of the conference over the years – loses slightly in volume, while more than a third of the selected papers deals with computer vision, scene interpretation and many dedicated applications. We would like to thank the invited speakers James Crowley (INRIA/GRAVIR), André Gagalowicz (INRIA/MIRAGES), Ron Kimmel (Technion Haifa) and Peter Centen (Thomson Grass Valley) for enhancing the technical program with their presentations.

A conference like ACIVS would not be feasible without the concerted effort of many people and support of various institutions. The paper submission and review procedure was carried out electronically and a minimum of three reviewers were assigned to every paper. From 221 submissions, 45 were selected for oral presentation and 55 as posters. A large and energetic Program Committee, helped by additionnal referees (about 220 people) – listed on the following pages – completed the long and demanding reviewing process. We would like to thank all of them for their timely and high-quality reviews. Also, we would like to thank our sponsors, Philips Research, Barco, Eurasip, the IEEE Benelux Signal Processing Chapter and the Flemish FWO Research Community on Audiovisual Systems, for their valuable support.

Last but not least, we would like to thank all the participants who trusted us in organizing this event for the ninth time. We hope they attended a stimulating scientific event and enjoyed the atmosphere of the ACIVS social events in the historic city of Delft.

July 2007

J. Blanc-Talon
D. Popescu
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ACIVS 2007 was organized by the Technical University of Delft and Ghent University.

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