

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

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Advanced Concepts for Intelligent Vision Systems

7th International Conference, ACIVS 2005
Antwerp, Belgium, September 2005
Proceedings

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Preface

This volume collects the papers accepted for presentation at the 7th International Conference on Advanced Concepts for Intelligent Vision Systems (ACIVS 2005). The ACIVS conference was established in 1999 in Baden-Baden (Germany) as part of a large multiconference. ACIVS has maintained the tradition of its first edition of having 25-minute oral talks in a single track event, 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 USA, Asia and the Middle East.

Though ACIVS is a conference on all areas in image processing, one of its major domains is image and video compression. A third of the selected papers dealt with compression, motion estimation, moving object detection and other video applications. This year, topics related to clustering, pattern recognition and biometrics constituted another third of the conference. The last third was more related to the fundamentals of image processing, namely noise reduction, filtering, restoration and image segmentation. We would like to thank the invited speakers Fernando Pereira, Marc Op de Beeck and Rafael Molina for enhancing the technical program with their presentations.

A conference like ACIVS would not be feasible without the concerted effort of many people and the support of various institutions. The paper submission and review procedure was carried out electronically and a minimum of 3 reviewers were assigned to every paper. From 200 submissions, 44 were selected for oral presentation and 46 as posters. A large and energetic Program Committee, helped by additional referees – 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 Image Processing 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 seventh time. We hope they attended a stimulating scientific event and enjoyed the atmosphere of the ACIVS social events in the historic city of Antwerp.

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ACIVS 2005 was organized by the University of Antwerp and Ghent University.

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- Faculty of Engineering Sciences, Ghent University
- Philips Research
- IEEE Benelux Signal Processing Chapter
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- Barco
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- FWO Research Community on Image Processing Systems

The ACIVS 2005 organizers are especially grateful to Philips Research for providing the conference bags free of charge and for their financial sponsorship. They are also grateful to the FWO Research Community on Image Processing Systems for sponsoring some of the invited speakers and to Barco for providing a small present for the participants.

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