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Advanced Concepts for Intelligent Vision Systems

14th International Conference, ACIVS 2012
Brno, Czech Republic, September 4-7, 2012
Proceedings

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Preface

This volume collects the papers accepted for presentation at the 14th International Conference on “Advanced Concepts for Intelligent Vision Systems” (ACIVS 2012), which was organized in Brno University of Technology, in the Czech Republic. Following the first meeting in Baden-Baden (Germany) in 1999, which was part of a large multiconference, the ACIVS conference has since then developed into an independent scientific event and has maintained the tradition of being a single-track conference. ACIVS 2012 attracted scientists from 21 different countries, mostly from Europe, but also from Australia, Japan, Korea, China, Algeria, the United Arab Emirates, Canada, and the USA.

Although ACIVS is a conference on all areas of image and video processing, submissions tend to gather within some major fields of interest. This year, most of the papers dealt with image analysis and computer vision, with a focus on detection, recognition, tracking, and identification.

We would like to thank the invited speakers Heikki Kälviäinen (Lappeenranta University of Technology), Brian Barsky (University of California, Berkeley), and Josef Kittler (University of Surrey) 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 three reviewers was assigned to each paper. From 81 submissions, 37 were selected for oral presentation and nine as posters. A large and energetic Program Committee, helped by additional referees (about 70 people in total) – 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, Camea, Ghent University, Honeywell, Redhat, Unis, and Zoner for their valuable support.

Last but not least, we would like to thank all the participants who trusted in our ability to organize this conference for the 14th time. We hope they attended a stimulating scientific event and enjoyed the atmosphere of the ACIVS social events in the city of Brno.

July 2012

J. Blanc-Talon
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