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Advances in Visual Computing

8th International Symposium, ISVC 2012
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Revised Selected Papers, Part I

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Preface

It is with great pleasure that we welcome you to the proceedings of the 8th International Symposium on Visual Computing (ISVC 2012) that was held in Rethymnon, Crete, Greece. ISVC provides a common umbrella for the four main areas of visual computing including vision, graphics, visualization, and virtual reality. The goal is to provide a forum for researchers, scientists, engineers, and practitioners throughout the world to present their latest research findings, ideas, developments, and applications in the broader area of visual computing.

This year, the program consisted of 11 oral sessions, one poster session, seven special tracks, and six keynote presentations. The response to the call for papers was very good; we received over 200 submissions for the main symposium from which we accepted 68 papers for oral presentation and 35 papers for poster presentation. Special track papers were solicited separately through the Organizing and Program Committees of each track. A total of 45 papers were accepted for oral presentation in the special tracks.

All papers were reviewed with an emphasis on potential to contribute to the state of the art in the field. Selection criteria included accuracy and originality of ideas, clarity and significance of results, and presentation quality. The review process was quite rigorous, involving two–three independent blind reviews followed by several days of discussion. During the discussion period we tried to correct anomalies and errors that might have existed in the initial reviews. Despite our efforts, we recognize that some papers worthy of inclusion may have not been included in the program. We offer our sincere apologies to authors whose contributions might have been overlooked.

We wish to thank everybody who submitted their work to ISVC 2012 for review. It was because of their contributions that we succeeded in having a technical program of high scientific quality. In particular, we would like to thank the ISVC 2012 Area Chairs, the organizing institutions (UNR, DRI, LBNL, and NASA Ames), the industrial sponsors (BAE Systems, Intel, Ford, Hewlett Packard, Mitsubishi Electric Research Labs, Toyota, General Electric), the international Program Committee, the special track organizers and their Program Committees, the keynote speakers, the reviewers, and especially the authors that

contributed their work to the symposium. In particular, we would like to express our appreciation to BAE Systems and Riad Hammoud for their sponsorship of the "best" paper award this year.

July 2012

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4. Unconstrained Biometrics: Advances and Trends

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