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Mathematical Morphology and Its Applications to Signal and Image Processing

11th International Symposium, ISMM 2013
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Preface

The volume you hold in your hand collects the papers accepted for presentation at the 11th International Symposium on Mathematical Morphology (ISMM 2013), held in Uppsala, Sweden, during May 27–29, 2013. ISMM has been held approximately every two years since 1993, when the series was initiated in Barcelona. The ten preceding editions of this conference were very successful, and the series has established itself as the main scientific event in the field.

We received 52 high-quality papers, each of which was sent to at least three Program Committee members for review. Based on 153 detailed reviews, we accepted 33 papers and conditionally accepted another eight. These eight papers were accepted after substantial revision by the authors in response to reviewer concerns. We decided to conditionally accept papers that needed important changes because each of us has listened to the presentation of a paper we reviewed, only to realize that the authors did nothing with our comments. In this case, however, and to our delight, even papers we accepted without conditions were in most cases extensively rewritten in response to reviewer comments.

In addition to the 41 reviewed papers, this volume contains three papers authored by our invited speakers:

- "Adaptive Morphologic Regularizations for Inverse Problems," by Bhabatosh Chanda (Indian Statistical Institute) with P. Purkait
- "The Laplace-Beltrami Operator: A Ubiquitous Tool for Image and Shape Processing," by Ron Kimmel (Technion–Israel Institute of Technology) with A. Wetzler, Y. Aflalo, and A. Dubrovina
- "Geography, Mathematics and Mathematical Morphology," by Christine Voiron-Canicio (University of Nice–Sophia Antipolis).

We would like to thank everyone involved in putting together this volume and the conference: the authors for providing the scientific content; the Program Committee and the additional reviewers for thorough reviews and detailed comments; the Steering Committee for giving us the opportunity to organize this conference and supporting us throughout the process; Springer for doing most of the work involved in putting this volume together; our two universities for financial support; The Swedish Research Council for sponsoring two of our invited speakers; the International Association for Pattern Recognition and Centre for Interdisciplinary Mathematics (Uppsala University) for sponsoring the third invited speaker; and the City of Uppsala for sponsoring the conference dinner

at Östgöta nation. Finally, we would like to acknowledge EasyChair, the on-line conference management system we used free of charge to handle the paper submission and review process.

March 2013   C. Luengo
                                                                           G. Borgefors
                                                                             R. Strand
                                                                          C. Kiselman
                                                                               V. Ćurić

Organization

ISMM 2013 was organized by the Centre for Image Analysis, a collaboration between Uppsala University and the Swedish University of Agricultural Sciences.

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