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Computer Vision, Imaging and Computer Graphics Theory and Applications

13th International Joint Conference, VISIGRAPP 2018
Funchal–Madeira, Portugal, January 27–29, 2018
Revised Selected Papers

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Preface

The present book includes extended and revised versions of a set of selected papers from the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2018) held in Madeira, Portugal, during January 27–29, 2018.

The purpose of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2018) was to bring together researchers and practitioners interested in both theoretical advances and applications of computer vision, computer graphics, and information visualization. VISIGRAPP is composed of four co-located conferences, each specialized in at least one of the aforementioned main knowledge areas.

VISIGRAPP 2018 received 317 paper submissions from 52 countries, of which 6% are included in this book. The papers were selected by the event program co-chairs based on a number of criteria that include the reviews and suggested comments provided by the Program Committee members, the session chairs' assessments, and also the program chairs' global view of all papers included in the technical program. The authors of selected papers were then invited to submit a revised and extended version of their papers having at least 30% new material.

The papers selected to be included in this book contribute to the understanding of relevant trends of current research on image and video formation, preprocessing, analysis, and understanding; motion, tracking, and stereo vision; visual data analysis and visualization; visual representation and interaction; interactive environments and user interfaces; haptic and multimodal interaction; human and computer interaction; and user experience. The richness and the variety of theoretical advances and research results highlighted by these selected papers reflect the vitality and the prevalence of the research areas covered by the VISIGRAPP conference.

We would like to thank all the authors for their contributions to this book and also to the reviewers who helped ensure the quality of this publication.

January 2018

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