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Marcello Pelillo · Edwin Hancock (Eds.)

Energy Minimization Methods in Computer Vision and Pattern Recognition

11th International Conference, EMMCVPR 2017
Venice, Italy, October 30 – November 1, 2017
Revised Selected Papers

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Preface

This volume contains the papers presented at the 11th International Conference on Energy Minimization Methods in Computer Vision and Pattern Recognition (EMMVCPR). The year 2017 marked the 20th anniversary of the inaugural meeting of the conference series, which took place in Venice in May 1997, and we wanted to celebrate by bringing the event back to Venice. The conference was held from October 30 to November 1, 2017, in the unique setting of Palazzo Franchetti, a historical Venetian palace facing the Grand Canal. The conference was co-located with ICCV 2017, the 16th International Conference on Computer Vision, which was held in Venice Lido the week before EMMCVPR.

The call for papers produced 51 submissions, resulting in the 37 papers appearing in this volume, nine of which were presented as long talks, and the remainder as short talks. We make no distinction between these two types of paper in this book.

The accepted papers cover a wide range of problems and perspectives including clustering and quantum computing, image processing and video analysis, shading and light, as well as optimization methods, and address both theoretical issues as well as real-world problems. In addition to the contributed papers, the conference featured two invited talks by Joachim Buhmann, from ETH Zurich (Switzerland), and Paolo Frasconi, from the University of Florence (Italy).

We would like to take this opportunity to express our gratitude to all those who helped to organize the conference. First of all, thanks are due to the members of the Steering and the Scientific Committees and to all the additional reviewers. Special thanks are due to the members of the Organizing Committee, Sebastiano Vascon and Ismail Elezi, together with Cristiana Fiandra and her team at “The Office” for managing the conference organization, and also Roberta D’Argenio and Agnese Boscarol, from the European Center for Living Technology (ECLT), for their administrative support. We gratefully acknowledge generous financial support from the Bertinoro International Center for Informatics (BICI) and the Department of Environmental Sciences, Informatics and Statistics (DAIS) of Ca’ Foscari University of Venice.

We also offer our appreciation to the editorial staff at Springer in producing this book, and for supporting the event through publication in the LNCS series. We thank all the authors and the invited speakers for helping to make this event a success, and producing a high-quality publication to document the event. We warmly acknowledge the help of Sebastiano Vascon in assembling the final proceedings volume.

February 2018

Marcello Pelillo
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