

Preface

This volume contains the papers presented at GbR2017: the 11th IAPR-TC15 Workshop on Graph-Based Representations in Pattern Recognition, held during May 16–18, 2017, in Anacapri, Italy.

GbR2017 was the 11th edition of a series of workshops organized every two years by Technical Committee 15 of the International Association for Pattern Recognition (IAPR). This workshop series traditionally provides a forum for presenting and discussing research results and applications in the intersection of pattern recognition, image analysis on one side and graph theory on the other side. In addition, given the avenue of new structural/graphical models and structural criteria for solving computer vision problems, GbR2017 organization encourages researchers in this more general context to actively participate in the workshop. Furthermore, the application of graphs to pattern recognition problems in other fields like computational topology, graphic recognition systems, and bioinformatics is also highly welcome at the workshop.

The present volume contains 25 papers. Each accepted paper was reviewed by two Program Committee members. The program of GbR2017 also included two invited talks by Prof. Luc Brun (Ecole Nationale Supérieure d'Ingenieurs de Caen, France) and Prof. Vladimir Batagelj (University of Ljubljana, Slovenia).

We want to thank the International Association for Pattern Recognition for making GbR2017 an IAPR-sponsored event. We also thank the University of Salerno and the Department of Information and Electrical Engineering and Applied Mathematics (DIEM) for sponsoring the workshop, and the Municipality of Anacapri for endorsing GbR2017.

May 2017

Pasquale Foggia
Cheng-Lin Liu
Mario Vento

Graph-Based Representations in Pattern Recognition
11th IAPR-TC-15 International Workshop, GbRPR 2017,
Anacapri, Italy, May 16-18, 2017, Proceedings
Foggia, P.; Liu, C.-L.; Vento, M. (Eds.)
2017, XV, 289 p. 70 illus., Softcover
ISBN: 978-3-319-58960-2