

# Preface

Vienna was the location of the 20th international conference on Discrete Geometry for Computer Imagery (DGCI). It followed the tradition of previous events, which have been held alternately in France and outside France at an approximate interval of 18 months. DGCI 2017 attracted a number of research contributions from academic and research institutions in our field. A total of 36 papers were submitted from all over the world. Papers were first assigned to one of the main topics of the conference, each one led by two or three members of the Program Committee (PC). Then, the members of the PC selected at least three reviewers for each paper. After all the reviews had been collected by the PC members, they generated a meta-review based on which the authors could explain potential misunderstandings and propose some corrections for the final version. Following this “rebuttal” phase, 28 papers were accepted by the program chairs and their authors were invited to present their work at DGCI 2017.

The program consisted of 18 oral and 10 poster presentations. In addition, three internationally well-known speakers were invited for keynote lectures: Helmut Pottmann (TU Wien, Austria), Michael Wilkinson (Univ. of Groningen, The Netherlands), and Eric Andres (Univ. Poitiers, France). We are happy that all invited speakers were willing to also contribute a written article to the proceedings. These proceedings also follow the tradition of DGCI and appear in the LNCS series of Springer, a publisher celebrating its 175th birthday this year.

We are also very thankful to Springer for sponsoring a best student paper award for DGCI 2017. Furthermore, DGCI 2017 received the sponsorship of the International Association of Pattern Recognition (IAPR). It is planned to produce a special issue of the Journal of Mathematical Imaging and Vision from extended versions of excellent contributions presented at DGCI 2017.

We would like to thank all contributors, the invited speakers, all PC members and reviewers, the members of the Steering Committees, and all those who made this conference happen. Furthermore, we are grateful to our financial support institutions. Last but not least, we thank all the participants and hope that everyone found great interest in the DGCI 2017 program and also had a very good time in our city of Vienna.

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