

Preface

This volume contains the papers presented at CALDAM 2017: the Third International Conference on Algorithms and Discrete Applied Mathematics held during February 16–18, 2017 in Goa. CALDAM 2017 was organized by the Department of Mathematics, Birla Institute of Technology and Science, Pilani (BITS Pilani), K. K. Birla Goa Campus, Goa. The conference had papers in the areas of algorithms, graph theory, codes, polyhedral combinatorics, computational geometry, and discrete geometry. The 103 submissions had authors from 18 different countries. Each submission received at least one detailed review and nearly all were reviewed by three Programme Committee members. The committee decided to accept 32 papers. The program also included four invited talks by Sumit Ganguly, Martin C. Golumbic, Günter Rote, and Ola Svensson.

The first CALDAM was held in February 2015 at the Indian Institute of Technology, Kanpur, and had 26 papers selected from 58 submissions from 10 countries. The second edition was held in February 2016 at Thiruvananthapuram (Trivandrum), India, and had 30 papers selected from 91 submissions from 13 countries.

We would like to thank all the authors for contributing high-quality research papers to the conference. We express our sincere thanks to the Program Committee members and the external reviewers for reviewing the papers within a very short period of time. We thank Springer for publishing the proceedings in the *Lecture Notes in Computer Science* series. We thank the invited speakers Martin C. Golumbic, Günter Rote, Ola Svensson, and Sumit Ganguly for accepting our invitation. We thank the Organizing Committee chaired by Tarkeshwar Singh from Birla Institute of Technology and Science, Pilani (BITS Pilani), K. K. Birla Goa Campus, Goa, for the smooth functioning of the conference. We thank the chair of the Steering Committee, Subir Ghosh, for his active help, support, and guidance throughout. We thank our sponsors Google Inc., Microsoft Research India, and National Board of Higher Mathematics, Department of Atomic Energy, for their financial support. We also thank Springer for its support for the two Best Paper Presentation Awards. Last and definitely most importantly, we thank the EasyChair conference management system, which was very effective in handling the entire reviewing process.

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