Guest Editors' Foreword to the Special Issue on CCCG 2023

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Abstract

This is the guest editors' foreword for the special issue on selected papers from the 34th Canadian Conference on Computational Geometry (CCCG 2022).

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Foreword

This special issue of Computing in Geometry and Topology is dedicated to selected papers from the 34th Canadian Conference on Computational Geometry (CCCG 2022), which was held at Toronto Metropolitan University in Toronto, Ontario, Canada, August 25–27, 2022.

The conference received 65 submissions, of which 45 were accepted for presentation, covering a broad range of topics in computational geometry. The program also included three invited memorial lectures: Bernard Chazelle (Paul Erdős Memorial Lecture), Subhash Suri (Godfried Toussaint Memorial Lecture), and Jorge Urrutia (Ferran Hurtado Memorial Lecture).

From the accepted papers, a subset was selected based on program committee recommendations for invitation to this special issue. The following six papers were invited and, after a thorough refereeing process in accordance with the standards of the journal, are included in this issue:

- Giovanni Viglietta. A Theory of Spherical Diagrams.
- Anna Lubiw and Graeme Stroud. Computing Realistic Terrains from Imprecise Elevations.
- Mario Szegedy and Jingjin Yu. Budgeted Steiner Networks: Three Terminals with Equal Path Weights.
- David Eppstein. Locked and Unlocked Smooth Embeddings of Surfaces.
- Loïc Dubois. A Bound for Delaunay Flip Algorithms on Flat Tori.
- Erik D. Demaine, Hiro Ito, Jayson Lynch, and Ryuhei Uehara. Computational Complexity of Flattening Fixed-Angle Orthogonal Chains.

We thank all authors for their contributions and the referees for their careful and constructive reviews. We also thank the editors of Computing in Geometry and Topology for the opportunity to assemble this special issue.

The guest editors of the special issue,

Konstantinos Georgiou and Yeganeh Bahoo