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## FOREWORD

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### Special Section on Discrete Mathematics and Its Applications

Discrete mathematics has been applied to various areas in computer science and engineering and proved important as their foundation. This special section is the thirty-fourth in a series that appears in IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences. It aims to review the latest progress in discrete mathematics and its applications and contribute to further development in the research field.

The 2024 special section includes one invited full paper, four full papers and two letter papers, which cover various topics in discrete mathematics, including algorithms and data structures, cryptography and information security, and graphs and networks. These papers were selected from fourteen submissions with careful reviews by technical experts. We would like to express our sincere appreciation to all the authors for their valuable contributions. We also thank the anonymous reviewers for their voluntary work. As the Guest Editor-in-Chief of this special section, I would like to express my profound thanks to the editorial committee members for their considerable efforts. Also, my sincere thanks go to both guest editors.

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**Kazuhisa Seto** (*Member*) is an associate professor of the Faculty of Information Science and Technology, at Hokkaido University. He received his B.E., M.S., and Ph.D. degrees from Kyoto University in 2005, 2007, and 2010, respectively. His research interests are in computational complexity and designing exact algorithms.

