PREFACE

This special issue of Discussiones Mathematice Graph Theory (DMGT) is dedicated to selected papers presented at the 18th Workshop on Graph Theory: Colourings, Independence and Domination (CID) held on 15–20 September 2019 in Piechowice, Poland. It continues a series of international workshops: 1993–1997 in Lubiatów, 1998–2001 in Gronów, 2003–2007 in Karpacz, 2009–2015 in Szklarska Poręba and 2017 in Piechowice. The meeting was organized by the Faculty of Mathematics, Computer Science and Econometrics, University of Zielona Góra. About 72 participants formed the audience of the following invited lectures:

Boštjan Brešar (University of Maribor, Slovenia)
Vizing's Conjecture—Some Old and New Approaches

Csilla Bujtás (University of Ljubljana, Slovenia)
Weights and Discharging in Graph and Hypergraph Domination

Daniel Cranston (Virginia Commonwealth University, USA)
Using the Potential Method to Color Near-Bipartite Graphs

Rafał Kalinowski (AGH University of Science and Technology, Poland)
Symmetry Breaking in Graphs by Edge Colourings

Dieter Rautenbach (Ulm University, Germany)
Broadcast Independence

Éric Sopena (Bordeaux University, France)
Recent Developments on Homomorphisms and Colorings of Signed Graphs

Roman Soták (Pavol Jozef Šafárik University in Košice, Slovakia)
(with Ľudmila Bezegová, Borut Lužar, Riste Škrekovski and Martina Mockovčiaková)
Star Edge-Coloring

Bjarne Toft (University of Southern Denmark, Denmark)
HEX—the Full Story

and 57 contributed talks.

The papers included in this special issue were refereed according to the standards of DMGT. We would like to express our sincere thanks to the authors for their valuable contribution and the anonymous referees for their commitment and dedication.

Guest Editors — CID 2019 Special Issue of DMGT

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