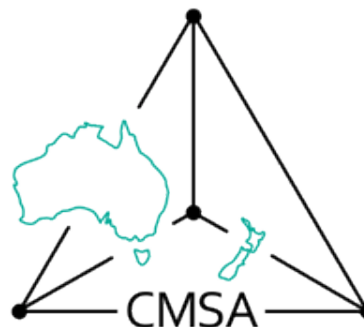


# Combinatorial Mathematics Society of Australasia

Newsletter 67: July 2023



Incorporated 8 July 1996

## Introduction

Thanks to all CMSA members who have sent information for this newsletter.

Please send news as soon as you have anything of interest to CMSA members and the combinatorial community, even if no newsletter is imminent. Email items to the Newsletter Editor: [kevin.mcavaney@ozemail.com.au](mailto:kevin.mcavaney@ozemail.com.au). Only in plain text please.

Closing date for Newsletter 68: 30 September 2023.

Old newsletters can be found [here](#).

## Workshop and conference announcements

### 45ACC December 2023

The 45th Australasian Combinatorics Conference (45ACC) will be held at The University of Western Australia, Perth, Australia, 11-15 December 2023.

It will include invited talks, contributed talks, a presentation of the CMSA Anne Penfold Street Student Prize for the best student talk at the conference, and the CMSA Annual General Meeting. Registration will automatically include a one-year membership of CMSA, if not already a life member.

Researchers in any area of discrete mathematics and its applications are warmly invited to attend and contribute a talk.

The invited speakers for 45ACC are:

- Sara Davies, The University of Queensland
- Krystal Guo, University of Amsterdam
- André Kündgen, California State University San Marcos
- Tibor Szabó, Freie Universität Berlin
- Geertrui Van de Voorde, University of Canterbury
- Gabriel Verret, University of Auckland

Organising Committee: John Bamberg, Michael Giudici, Gordon Royle.

Contact: [45ACCuwa@gmail.com](mailto:45ACCuwa@gmail.com)

Website: <https://45acc.github.io>.

### 67th Annual Meeting of the Australian Mathematical Society

This meeting will be held at The University of Queensland 5–8 December 2023. It has plenary speakers across several areas of mathematics. Special sessions include *Algebra and Combinatorics* organised by Lawrence Reeves, Binzhou Xia, and Sanming Zhou.

Contact: [austms2023@uq.edu.au](mailto:austms2023@uq.edu.au)

Website: <https://austms2023.smp.uq.edu.au/>.

## Wet and Discrete 2

Wet and Discrete 2 (W&D) is to be held in Cairns, Queensland, 17–20 January, and Darwin, Northern Territory, 22–31 January 2024.

This is a small conference centred upon a set of workshops to bring together mathematicians interested in open problems relating to Combinatorics and especially Extremal Set Theory. Amongst other areas this could encompass Finite sets, Sperner Theory, Combinatorial Design, Graphs or Hypergraphs, Lattices, Algebraic Combinatorics, Discrete Optimisation, and more. An aim is to bring together the expertise of mathematicians who may work in related fields where knowledge sharing would potentially enhance research.

Previous such collaborative style meetings were in Darwin (W&D January 1998) and Central Australia (Dry & Discrete, July 2006).

Organising Committee: Ian Roberts (Charles Darwin University, Darwin), PJ Couch (Lamar University, USA), Uwe Leck (Flensburg University, Germany).

Contact: [ian.roberts@cdu.edu.au](mailto:ian.roberts@cdu.edu.au)

Website: <https://sites.google.com/view/wnd2/startseite>.

## More combinatorics conferences

[Number Theory and Combinatorics in Duluth](#),  
University of Minnesota Duluth, USA, 31 July–4 August 2023

[European Conference on Combinatorics, Graph Theory, and Applications \(Eurocomb'23\)](#),  
Charles University, Prague, Czech Republic, 28 August–1 September 2023

[International Conference on Enumerative Combinatorics and Applications \(ICECA 2023\)](#),  
online from University of Haifa, Israel, 4–6 September 2023

[35th Workshop on Topological Graph Theory \(TGT35\)](#),  
Yokohama National University, Yokohama, Japan, 7–10 November 2023

[International Conference on Graph Theory and its Applications \(ICGTA23\)](#),  
Amrita Vishwa Vidyapeetham, Coimbatore, India, 14–16 December 2023

[SIAM Conference on Discrete Mathematics \(DM24\)](#),  
Spokane Convention Centre, Spokane, Washington, USA, 8–11 July 2024

## Recent news

### New Appointment

Congratulations to CMSA life member Mark Wilson of the University of Massachusetts Amherst on his appointment as the editor-in-chief of Notices of the American Mathematical Society for a three-year term beginning 1 January 2025. Details on Mark and his appointment can be found [here](#).

### CMSA Seminars

Recent seminars in this online series were by:

- Yoshiharu Kohayakawa, University of São Paulo, 18 April 2023
- Michael Giudici, University of Western Australia, 2 May 2023
- Andrew Treglown, University of Birmingham, 16 May 2023
- Karen Meagher, University of Regina, 30 May 2023

For talk titles and abstracts visit <http://combinatorics-australasia.org/seminars.html>

### New 2nd Edition

Authors Robin Pemantle, Mark Wilson, and Stephen Melczer are pleased to announce that the second edition of the graduate text *Analytic Combinatorics in Several Variables* is soon to be published by Cambridge University Press. Besides many improvements to the exposition and presentation of the first edition (2013), the second edition includes new advances in the theory and applications and incorporates several stronger results. A copy of the manuscript can be found [here](#).

## An Outreach Opportunity

Maths Challenge is a unique open style annual problem-solving program designed to support and encourage mathematically gifted students from years 3 to 10 and their teachers. It is produced by the Australian Mathematics Trust and has been running for 33 years. There are over 15000 entries in a typical year. The problems and teacher guides are prepared by a committee of up to 16 committed volunteer teachers, educationalists, and mathematicians. More details are available in my ZDM paper [Mathematics Challenge for Young Australians](#). There is currently a vacancy on the committee for a mathematician who is keen to foster enthusiasm for mathematics amongst our future analytical thinkers. If interested, please contact the Committee Chair [kevin.mcavaney@ozemail.com.au](mailto:kevin.mcavaney@ozemail.com.au)

## MATRIX Workshops

MATRIX, a residential research institute for the mathematical sciences in Australia, is hosting two more combinatorics workshops this year:

16–27 October 2023. [Workshop on Uniqueness and Discernment in Graph Polynomials](#).

Organisers: Jo Ellis-Monaghan, Iain Moffatt, Kerri Morgan, Graham Farr

4–9 December 2023. [Extremal Problems in Graphs, Designs, and Geometries](#).

Organisers: Daniel Horsley, Anita Liebenau, Tibor Szabo

## Joint Meeting

There will be a joint meeting in Auckland NZ, 9–13 December 2024, of the New Zealand, Australian and American Mathematical Societies. Expressions of interest/proposals for special sessions are invited. It is expected that these will be co-organized by mathematicians from different countries. Required information is name of the session, organisers' contact details, a brief summary of the session's scope, a sample list of 8–10 potential speakers (plenary, invited, or contributed). Send proposals to [melissa.tacy@auckland.ac.nz](mailto:melissa.tacy@auckland.ac.nz)

## The Australasian Journal of Combinatorics

[AJC](#) is a 'diamond open access' journal: online and free for readers and authors. There are three volumes per year, closing in about February, June and October. Each volume has three parts. [Volume 86, Parts 1, 2, 3](#) are now available, as are all volumes back to Volume 1.

Visit [here](#) to register for email notices whenever new papers are published.

Submissions to the Australasian Journal of Combinatorics may be sent to [ajc@maths.uq.edu.au](mailto:ajc@maths.uq.edu.au). Only pdf files are required at submission stage.

The Journal is now indexed by Scopus from Volume 13 (1996) onwards, and by Clarivate Analytics 'Emerging Sources Citation Index' from 2015 on.

ISSN: 2202-3518 (online only, after 2013); 1034-4942 (paper, before 2014).