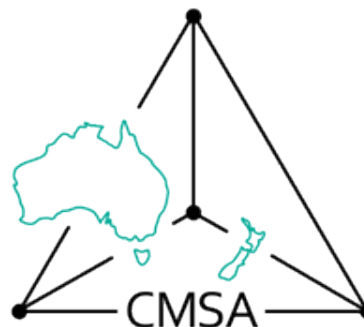# Combinatorial Mathematics Society of Australasia

Newsletter 66: April 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. Only in plain text please.

Closing date for Newsletter 67: 30 June 2023.

Old newsletters can be found here.

Workshop and conference announcements

45ACC December 2023

The 45th Australasian Combinatorics Conference (45ACC) will be held physically 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

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

More combinatorics conferences

58th Czech and Slovak Conference on Graph Theory,
Bardejov Spa in eastern Slovakia, 29 May–2 June 2023.

9th Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM 2023),
Winnipeg, Canada, 5–8 June 2023.

34th International Workshop on Combinatorial Algorithms (IWOCA 2023),
National Cheng Kung University, Tainan, Taiwan, 7–10 June 2023.

10th Slovenian Conference on Graph Theory (SiCGT23),
Kranjska Gora, Slovenia, 18–24 June 2023.

[19th Cologne-Twente Workshop on Graphs and Combinatorial Optimization (CTW2023)](#),
Garmisch-Partenkirchen, Germany, 20–23 June 2023.

[49th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2023)](#),
University of Fribourg, Switzerland, 28–30 June 2023.

[Rijeka Conference on Combinatorial Objects and Their Applications (RICCOTA2023)](#),
University of Rijeka, Rijeka, Croatia, 3–7 July 2023.

[2nd Queer and Trans Mathematicians in Combinatorics (QTMC)](#),
Queen Mary University of London, UK, 6–7 July 2023

[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

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

Recent news

CMSA Prize

The CMSA Prize is an award made by the Combinatorial Mathematics Society of Australasia to an early career researcher for an outstanding research contribution to any area of combinatorics. The first CMSA Prize will be awarded in 2023, and nominations close on 14 April 2023. More details can be found at http://combinatorics-australasia.org/prize.html.

Australian Academy of Science award

Congratulations to Nick Wormald who has been awarded the [Thomas Ranken Lyle Medal](#) from the Australian Academy of Science in recognition of his outstanding achievements in mathematical research, in particular, in random graphs and processes, enumeration of graphs and maps, structural graph theory, theoretical computer science, and network optimisation. Nick is Professor in the Discrete Mathematics Research Group at Monash University and a former CMSA President.

New Appointment

The School of Mathematics at Monash University is pleased to announce that [Dr Melissa Lee](#) has joined the School as Lecturer and Discovery Early Career Researcher Award (DECRA) Fellow. Melissa's research interests include finite group theory, representation theory of almost simple groups, finite geometry and combinatorics.

CMSA Seminars

Recent seminars in this online series are by:

- Jinyoung Park, New York University, 14 March 2023
- Catherine Greenhill, UNSW Sydney, 28 March 2023

For more details visit http://combinatorics-australasia.org/seminars.html

MATRIX Workshops

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

17–23 April 2023. [MATRIX-IBS Workshop: Structural Graph Theory Downunder III.](#)
Organisers: David Wood, Sang-il Oum, Alex Scott, Liana Yepremyan

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

CMSA Council

At the CMSA AGM on 13 December 2022, the following people were elected unanimously to Council for 2023: Thomas Britz (President), John Bamberg (Vice-President), Sara Davies (Secretary), Daniel Horsley (Treasurer), Michael Albert, Darryn Bryant, Brendan McKay, Jeanette McLeod, Jeroen Schillewaert, Gabriel Verret, Ian Wanless, Binzhou Xia.

Vale Curt Lindner 1938–2023

Sadly we report the passing of Charles Curtis Lindner on 21 February 2023. Curt earned his PhD at Emory University in 1969 at which time he joined Auburn University where he remained for the rest of his life. He was promoted to Professor in 1976 and supervised over 20 PhD students. Curt published over 200 journal articles in design theory, especially on cycle systems and graph designs. His reputation as an engaging conference speaker is legendary. He collaborated extensively with colleagues around the world and was awarded the Institute of Combinatorics and its Applications Euler Medal in 2013. Curt was a frequent visitor at the University of Queensland.

Vale Dean Hoffman 1949–2022

Sadly we report the passing of Dean Gunnar Hoffman on 11 November 2022. Dean earned his PhD at the University of Waterloo in 1976 under the supervsion of David Klarner and Ron Mullin. Having joined Auburn University the following year, it became his academic home for the rest of his life. He was promoted to Professor in 1987. Many attest to his reputation as an inspiring teacher and valued mentor to students and collegues. He supervised over 20 PhD students (Mathematics Genealogy Project needs updating) and published significant work in group theory, number theory, graph theory, design theory, and puzzles, with an extensive list of collaborators. Dean was a frequent visitor at the University of Queensland.

Martin Gardiner revealed

Graeme Cohen, late of University of Technology Sydney and author of the historical book *Counting Australia In: the People, Organisations and Institutions of Australian Mathematics*, has recently had his historical novel *The Possibly True Story of Martin Gardiner* published by Halstead Press. Martin Gardiner was a real person and, in terms of publications, Australia's leading 19th century mathematician.

Blanche d'Alpuget, a descendent of Gardiner's, writes of the book "An unexpected gem ... Its protagonist is captivating even at his most obnoxious, its description of the time in which he lived engrossing, all related with narrative pace and drama. Graeme Cohen has brought Gardiner alive with imaginative verve and meticulous research, revealing a man at once intellectually brilliant and socially deplorable."

The book can be bought online from several bookshops, or direct from the author on martingardiner.gc@gmail.com

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 85, 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. 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.

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