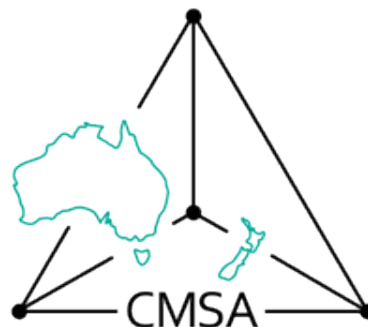


Combinatorial Mathematics Society of Australasia

Newsletter 61: July 2021



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 62: 30 September 2021.

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

Workshop and conference announcements

43ACC December 2021

Due to COVID travel restrictions, the organising committee has decided to make the 43rd Australasian Combinatorics Conference (43ACC) a completely online conference. It will be held 13–17 December 2021. It is the next conference of the Combinatorial Mathematics Society of Australasia, in the otherwise annual series formerly referred to as the Australasian Conference on Combinatorial Mathematics and Combinatorial Computing (ACCMCC). An historical list is available [here](#).

The conference programme will include invited talks, contributed talks in parallel sessions, a presentation of the CMSA Anne Penfold Street Student Prize for the best student talk at the conference, and the CMSA Annual General Meeting. Researchers in any area of discrete mathematics and its applications are warmly invited to attend and contribute.

Early bird registration closes on 31 October 2021.

Late registration and abstract submission close on 21 November 2021.

Invited speakers:

- * Vida Dujmović, University of Ottawa, Canada
- * Rongquan Feng, Peking University, China
- * Michael Giudici, The University of Western Australia
- * Julia Böttcher, London School of Economics and Political Science, UK
- * Mikhail Isaev, Monash University, Australia
- * Daniel Král', Masaryk University, Czech Republic
- * Bojan Mohar, Simon Fraser University, Canada
- * Jeroen Schillewaert, The University of Auckland, New Zealand
- * Edwin van Dam, Tilburg University, Netherlands
- * Nick Wormald, Monash University, Australia

Organising Committee: Malwina Luczak, Charl Ras, Lawrence Reeves, Binzhou Xia, Sanming Zhou (Chair)

Conference website (to be updated soon): <http://43acc.ms.unimelb.edu.au>

Email: 43acc@ms.unimelb.edu.au

More combinatorics conferences (COVID-19 permitting)

[28th British Combinatorial Conference](#),
(on line) Durham, UK, 5–9 July 2021.

[SIAM Conference on Discrete Mathematics \(DM21\)](#),
(on line) Spokane, USA, 20–23 July 2021.

[Graph Width Parameters: from Structure to Algorithms \(GWP 2021\)](#),
Zoom Satellite Workshop of ICALP, 12 July 2021.

[33rd Canadian Conference on Computational Geometry \(CCCG 2021\)](#),
Dalhousie University, Halifax, Canada, 10–12 August 2021.

[European Conference on Combinatorics, Graph Theory, and Applications \(EUROCOMB 2021\)](#),
(on line) Barcelona, Spain, 6–10 September 2021.

[27th International Computing and Combinatorics Conference \(COCOON 2021\)](#),
National Cheng Kung University, Tainan, Taiwan, 24–26 October 2021.

[34th Midwest Conference on Combinatorics and Combinatorial Computing \(MCCCC\)](#),
University of Nevada, Las Vegas, USA, 27–29 October 2021.

Recent news

CMSA Seminars

This virtual seminar series is organised by Anita Liebenau (UNSW) and Nina Kamčev (Monash University). It is delivered roughly every two weeks via Zoom. Information on past and future seminars can be obtained [here](#).

Round the World Relay in Combinatorics

On 8 June 2021, a unique event took place: the Round the World Relay in Combinatorics, coordinated by Alex Scott (Oxford). The Relay consisted of 22 online seminars in combinatorics, one every hour, sweeping westwards around the globe. Three of the first four talks were from speakers in Australasia, truly "world-leading" (as Ian Wanless quipped when introducing the first talk).

David Wood (Monash) was the first speaker, talking about universality in minor-closed graph classes. Two hours later, the baton went to New Zealand with Jeroen Schillewaert (Auckland) speaking about how to construct expanders from hyperbolic Coxeter groups. Next up was Gordon Royle (Perth), speaking as part of the CMSA seminar series and talking about real chromatic roots of planar graphs.

From there, the Relay moved on to Asia, eastern and then western Europe, north and south America, ending with a talk out of Alaska. Talks were very well attended (I observed audience numbers ranging from around 100 up to nearly 300). Some Australasia-based participants attended both the first and last talks of the Relay.

While the pandemic has been extremely difficult and disruptive in many ways, the emergence of online seminars has helped us to maintain a sense of community and connectedness. Here in Australasia we are very grateful to Anita Liebenau and Nina Kamčev, who have organised the CMSA online seminar series since May 2020. We applaud Alex Scott for taking the next logical step and linking up 22 different online seminars around the globe to create this extremely memorable event.

A list of all Relay talks is available [here](#), and you can watch all the talks [here](#).

Catherine Greenhill

Monash University

Congratulations to Timothy Chan whose thesis *Substructure Densities in Extremal Combinatorics* has been accepted for a PhD awarded jointly by Monash University and the University of Warwick. Tim was co-supervised by David Wood (Monash) and Daniel Král' (Warwick).

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 respectively in February, June and October, matching the time of publication of the old paper volumes. Volumes are currently being uploaded in three parts. [Volume 80](#) is now available.

The contents of all published volumes are listed at the AJC web page <http://ajc.maths.uq.edu.au/>.

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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