

# CMSA E-Newsletter 27

From Combinatorics Wiki

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## Introduction

Thanks to all CMSA members who have sent information for this newsletter. Please send news as soon as you have anything of possible interest to CMSA members and the Combinatorial Community, even if no newsletter is imminent! Please email the Newsletter Editor (Eyal Loz, University of Auckland, NZ) at: [eyal@math.auckland.ac.nz](mailto:eyal@math.auckland.ac.nz)

CLOSING DATE for Issue 28: January 15, 2009. (Please email items to the newsletter editor ONLY in plain text.)

# Aims of the newsletter

- To promote combinatorics within Australasia.
- To provide a forum for sharing combinatorial and related information.
- To keep CMSA members informed and in touch with combinatorial and related matters.

## Future workshop and conference announcements

### 4-ICC, University of Auckland, Auckland, New Zealand

Preliminary announcement for 4ICC (4th International Conference on Combinatorial Mathematics and Combinatorial Computing) 15-19 December 2008 (summer) .

The ICC is held every 10 years. This year it includes the annual ACCMCC meeting of the Combinatorial Society of Australasia, and the New Zealand leg of the map conferences held annually in Slovenia/Slovakia/Arizona-Portugal/New Zealand.

#### Tentative list of invited speakers:

- Alexander Barvinok, University of Michigan
- Peter Cameron, Queen Mary College London
- Jan de Gier, University of Melbourne
- Jesus de Loera, University of California-Davis
- Robin Pemantle, University of Pennsylvania
- Cheryl Praeger, University of Western Australia
- Chris Rodger, Auburn University
- Paul Seymour, Princeton University
- Mike Steel, University of Canterbury
- Carsten Thomassen, Technical University of Denmark
- Nick Wormald, University of Waterloo
- Doron Zeilberger, Rutgers University

#### Contact:

Contact Mark Wilson, with queries or in order to be placed on a mailing list of potential attendees.

Further details will appear in due course on the conference website:

<http://www.cs.auckland.ac.nz/research/groups/theory/4ICC/> (<http://www.cs.auckland.ac.nz/research/groups/theory/4ICC/>). Contact: Mark Wilson. Email: mc.wilson at auckland.ac.nz

## Pre-ICM, International Convention on Mathematical Sciences

The Pre-ICM Convention will take place at the Department of Mathematics, University of Delhi, Delhi, India, on December 18-20, 2008.

International Congress of Mathematicians (ICM) meeting is held once every 4 years in different parts of the world and the forthcoming ICM is to be held in 2010 in Hyderabad, India. On the initiative of Department of Science and Technology (DST), Government of India, an activity cell to organize "India Mathematics Year 2009 (IMY2009) as Pre-ICM activity" has been set up in the Department of Mathematics, University of Delhi. To launch IMY-2009, we are organizing: Pre-ICM International Convention on Mathematical Sciences (ICMS2008) at the Department of Mathematics, University of Delhi during December 18-20, 2008.

The academic programme of the convention will include activities like workshops, symposia, brain-storming sessions, panel discussions, group discussions, seminars, poster sessions, tutorials, compact sessions etc. on various topics of mathematical sciences including interdisciplinary aspects.

### **Plenary speakers:**

- Jin Akiyama, Tokai University, Japan.
- Michel-Marie Deza, Directeur de recherche au CNRS, ENS, France.
- Michele Elia, Politecnico di Torino, Italy.
- Gyula Katona, Renyi Institute, Hungary.
- Laszlo Lovasz, Institute of Mathematics, Eotvos Lorand University, Hungary.
- C.R. Rao, Eberly Professor Emeritus of Statistics, Pennsylvania State University, U.S.A.
- Jennifer Seberry, Director and Foundation Professor, Centre for Computer and Information Security Research, University of Wollongong, Australia.
- Jagdish Srivastava, CNS Research Professor Emeritus, Colorado State University, U.S.A.
- Walter D.Wallis, Southern Illinois University, Carbondale, U.S.A.

### **Contact:**

Dinesh Sarvate Email: sarvated at cofc.edu Nutan Mishra Email: nmishra at usouthal.edu

Further details may be found on the convention web pages: <http://icmsdu.googlepages.com/index.htm>.

## **AMSI, theme program on Group Theory, Combinatorics and Computation in honour of Cheryl Praeger's 60th birthday.**

The AMSI theme program on Group Theory, Combinatorics and Computation will take place at The University of Western Australia, Perth, Australia, on January 5-16, 2009.

The first week will be an international conference in honour of Cheryl Praeger's 60th birthday while the second week will be an informal week consisting of short courses, workshops and problem sessions, especially beneficial to early career researchers and postgraduate students.

Registration is now open with early bird registrations closing on the 31st of October.

## **Invited Speakers:**

- Rosemary Bailey (Queen Mary, University of London, UK),
- Peter Cameron (Queen Mary, University of London, UK),
- Marston Conder (University of Auckland, NZ),
- Marcel Herzog (Tel-Aviv University, Israel),
- Kathy Horadam (RMIT, Aus),
- Sasha Ivanov (Imperial College London, UK),
- William Kantor (University of Oregon, USA),
- Cai Heng Li (UWA, Aus),
- Charles Leedham-Green (Queen Mary, University of London, UK),
- Martin Liebeck (Imperial College London, UK),
- Brendan McKay (ANU, Aus),
- Peter Neumann (Queen's College, University of Oxford, UK),
- Eamonn O'Brien (University of Auckland, NZ),
- Tim Penttila (Colorado State University, USA),
- Jan Saxl (University of Cambridge, UK),
- Akos Seress (Ohio State University, USA).

## **Contact:**

Email: gcc09 at maths.uwa.edu.au

Further details may be found on the conference web pages: <http://sponsored.uwa.edu.au/gcc09/welcome> (<http://sponsored.uwa.edu.au/gcc09/welcome>).

## **CATS 2009 --- Computing: The Australasian Theory Symposium , Victoria University of Wellington, New Zealand**

The 15th CATS symposium will be held at the Victoria University of Wellington, New Zealand, during January 20-23, 2009. CATS is one of the two premier annual conferences in theoretical computer science in the Asia-Pacific.

**Authors are invited to submit papers that present original and unpublished research on topics including (but not limited to) the following areas:**

- Algorithms and Data Structures
- Complexity Theory
- Graph Theory, Graph Algorithms and Combinatorics
- Semantics of Programming Languages
- Algorithms on Strings
- Optimisation
- Formal Program Specification and Transformation
- Computational Algebra
- Computational Geometry
- Computational Biology
- Logic and Type systems

- New Paradigms of Computation

Submitted papers will be thoroughly refereed and accepted papers will appear in the electronic proceedings at <http://crpit.com>. For full details on the publication policy, go to <http://crpit.com/AuthorsSubmitting.html>.

See submission details at: <http://velorum.ballarat.edu.au/~pmanyem/CATS09/submission.html> (<http://velorum.ballarat.edu.au/~pmanyem/CATS09/submission.html>).

For more information, see <http://velorum.ballarat.edu.au/~pmanyem/CATS09/> (<http://velorum.ballarat.edu.au/~pmanyem/CATS09/>).

## **Contact:**

Program Committee Co-Chairs: Rod Downey, Victoria University of Wellington, NZ. Email: Rod.Downey at [mcs.vuw.ac.nz](mailto:mcs.vuw.ac.nz). Prabhu Manyem, University of Ballarat, Australia. Email: p.Manyem at [ballarat.edu.au](mailto:ballarat.edu.au).

## **IPM 20-Combinatorics 2009**

Conference covering all branches of combinatorics, especially combinatorial designs, graph theory and algebraic graph theory.

The IPM 20-Combinatorics 2009 Conference will take place at the School of Mathematics, Institute for Research in Fundamental Sciences (IPM), Tehran, Iran, on May 15-21, 2009.

The Institute for Research in Fundamental Sciences, IPM, will be celebrating its 20th year in operations in 2009. The opportunity is unique and there is an ample need for another comprehensive international conference on discrete mathematics in 2009. The objectives of the conference are to gather all interested individuals in the area of strengths of IPM in combinatorics to hear about the latest developments and activities and to nurture an atmosphere of cooperation between different educational institutions in or around Iran which are active in the area of combinatorics. With the ever increasing applications of discrete mathematics in communications, digital engineering, computer security etc., and an emerging group of young and talented mathematicians in the past decade, IPM has become a major center of research in combinatorics in the Middle East. There have been four successful international workshops at IPM related to different aspects of discrete mathematics in the past eight years. IPM 20-Combinatorics 2009 is expected to be the most comprehensive one.

## **Plenary speakers:**

- Eiichi Bannai (Kyushu University, JAPAN)
- Andries E. Brouwer (Eindhoven University of Technology, THE NETHERLANDS)
- Richard A. Brualdi (University of Wisconsin-Madison, USA)
- Peter J. Cameron (Queen Mary, University of London, UK)
- Jennifer T. Chayes (Microsoft Research, USA)
- Gyula O. H. Katona (Alfred Renyi Institute of Mathematics, HUNGARY)
- Richard P. Stanley (Massachusetts Institute of Technology, USA)
- Robin Thomas (Georgia Institute of Technology, USA)
- Richard M. Wilson (California Institute of Technology, USA)
- Avi Wigderson (Institute for Advanced Study, USA)

## Contact:

R. Khosrovshahi Email: rezagbk at ipm.ir

Further details may be found on the conference web pages: <http://math.ipm.ac.ir/combinatorics2009/> (<http://math.ipm.ac.ir/combinatorics2009/>).

## A few useful conference webpages and a few upcoming conferences:

- DMANET (Discrete Maths Net) and the TheoryNT List have lots of conferences listed in Combinatorics and Theoretical Computer Science respectively.
- <http://www.combinatorics.org/Conferences/> (<http://www.combinatorics.org/Conferences/>)
- <http://www.maths.qmw.ac.uk/~pjc/bcc/conferences.html> (<http://www.maths.qmw.ac.uk/~pjc/bcc/conferences.html>)
- Upcoming conferences in Coding, Cryptography and Effective Algebra: <http://www-rocq.inria.fr/codes/Anne.Canteaut/annonces.html> (<http://www-rocq.inria.fr/codes/Anne.Canteaut/annonces.html>).

## Recent news of CMSA members and others

### UWA Research student publication prize to Dr. Geoffrey Pearce

For the best student publication accepted for publication in 2007 in the physical or mathematical sciences or engineering.

For his paper: "Transitive decompositions of graph products: rank 3 grid type", (with John Bamberg and Cheryl E Praeger), J. Group Theory 11, 185-228. doi: 10.1515/JGT.2008.011 Published on-line March 2008.

Geoffrey will graduate with his PhD on September 11.

### UWA New postdoctoral appointments to Tomasz Popiel, Sukru Yalcinkaya, Alice Devillers and John Bamberg.

- Tomasz Popiel has started on a 1 year Research Associate position
- Sukru Yalcinkaya will arrive on August 11 to take up a 2 year Research Associate position
- Alice Devillers will arrive on September 24 to take up a 3 year Research Associate position
- John Bamberg will take up a 3 year Research Associate position in May 2009.

# Professor Anne Street was invited to visit Europe and the U.S.A.

Visits include: Koc University, Istanbul, for invited talk about joint work with Marks Nester on An Introduction to Balanced Sequential Arrays on the Square Grid. 2008 Italian combinatorics conference, Costermano, Italy for invited talk on Combinatorics: the first 4000 years. Department of Maths and Stats, Auburn University, Alabama, visiting Curt Lindner.

## The Australasian Journal of Combinatorics

The web page for the Australasian Journal of Combinatorics is at <http://ajc.maths.uq.edu.au/> (<http://ajc.maths.uq.edu.au/>).

The Journal is now published three times per year, in February, June and October. CMSA Members are entitled to a \$10 discount per volume.

There is a search facility for past authors and for keywords in the titles of papers. Instructions to authors are also available at this web site.

The contents of all volumes, 1 to 41, are listed at the above web page. We also now have free public access to the full papers in Volumes 1 to 29 inclusive. All but the last four years are available for free.

Submissions to the Australas. J. Combin. may be sent to ajc at [maths.uq.edu.au](mailto:ajc@maths.uq.edu.au). Electronic submissions are encouraged. For paper submissions, please check the web page.

## Editor

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