



Volume 38 Number 47

30 November – 6 December 2012

FROM THE DIRECTOR'S OFFICE

Please join us in congratulating Hark Hoe Tan and Daniel Shaddock on their successful promotion to level E Professor.

DIRECTOR'S COLLOQUIUM



Type Ia Supernovae, The Accelerating Cosmos, and Dark Energy

Professor Brian Schmidt

Nobel Laureate

Research School of Astronomy and Astrophysics

12:00 Thursday 6 December 2012

Leonard Huxley Lecture Theatre

As the last Colloquium of the year please join us for a BBQ lunch and Icecream in the RSPE tearoom from 1:00pm.

Please email your RSVP to Andrea.Benson@anu.edu.au for catering purposes by Friday 30 November.

VISITORS

CAMS

Professor Charles Clark, co-Director of the Joint Quantum Institute (National Institute of Standards and Technology and the University of Maryland), will be visiting Prof. Steve Buckman and Dr. James Sullivan for two days on the 6th and 7th December. He will then be attending the AIP Congress and CAMS board meeting in Sydney.

EME

Welcome Jura Resnberg from Fredrich Schiller University Jena, Germany who is collaborating with Prof Mark Ridgway from 2-16 December.

STAFF MOVEMENTS

Electronic Materials Engineering

Professor Jagadish is absent 24 November - 5 December attending MRS Fall meeting in Boston, J. Phys. D. Applied Physics Editorial Board meeting in London and Visiting Oxford University.

Dr Patrick Kluth will be attending the Asian Crystallographic Association meeting on 4-5 December in Adelaide.

Theoretical Physics

Prof. Murray Batchelor, Prof. Peter Bouwknegt, Mr Imam Alam, Mr Andrew Kels, Dr Xiwen Guan, Dr Vladimir Mangazeev, Dr David Ridout and Prof. Vladimir Bazhanov will be absent from 2-5 December to attend the Inaugural Meeting of The Australian and New Zealand Association of Mathematical Physics (ANZAMP).

Plasma Research Laboratories

Prof. John Howard will be away from 3 - 7 December. **Dr Cormac Corr** will be Acting Head of Department during this period

DEPARTMENTAL SEMINARS

DQS Seminar

Multimodal imaging diagnostics of amyloid states in Alzheimer's disease

Professor Mikael Lindgren

Department of Physics, Norwegian University of Science and Technology

11:00am Friday 30 November

RSPE Seminar Room

Australian Nanotechnology Network Seminar (EME)

Hydrogen and Fuel Cells for Transport energy storage problem

ANN Distinguished Lecturer

Prof Kevin Kendall, FRS

Chemical Engineering University of Birmingham, UK

11:00am Friday 7 December

Leonard Huxley Lecture Theatre

Refreshments will be provided in the RSPE Tea Room after the Seminar

ALL WELCOME

Laser Physics Centre Seminar

Parametric processes in nonlinear photonic structure

Ksawery Kalinowski

Final PhD presentation

1:30pm Thursday 6th December

RSPE Seminar Room.

BULLETIN'S NEW NAME?

What's that you say? Well here is your chance to put your stamp on creating history by coming up with the new name for the RSPE Bulletin!

To cap off recent, upcoming and exciting new Bulletin changes, what better time than now to rename it; signifying a fresh start and the dawn of a new era for informing the RSPE community.

The winning entry will not only be credited with coming up with the new name for the Bulletin, but will also be the lucky recipient of one of the Director's private reserve bottles of wine!

Send your entries to bulletin.comp@physics.anu.edu.au to be in the running for this chance of a lifetime.

There is no limit to how many names you enter but obviously a twist on the world of Physics would be a good starting point. So get thinking, get creative and start submitting your entries today!

Competition details:

1. Entries close 5pm on Friday the 30th November 2012.



2. Please include your name and contact number with your entry.
3. All entries are to be submitted via email to bulletin.comp@physics.anu.edu.au
4. No profanity or slangs
5. Name must not be in existence in another physics related institution or be a breach of copyright law.
6. The Director and/or the School Executive has veto on final decisions.

BULLETIN DISTRIBUTION

RSPE JAG people may have noticed the RSPE Bulletin arriving in their email account last week. We hope you enjoy!

As a measure to improve communications within RSPE and in particular to our RSPE JAG colleagues, we have updated our people database (website of personnel and contacts) with RSPE JAG people's personal email addresses. As such RSPE JAG people will now receive 'all_RSPE' emails and the bulletin.

We have also created a new email list for RSPE JAG people to ensure our colleagues are informed about RSPE happenings.

RSPE_JAG@physics.anu.edu.au will be received by all RSPE JAG people. Please note that this is not intended to replace the functional JAG email addresses as the primary source of communication and that we still encourage the use of the JAG functional email addresses as below:

- Finance rspe.fn@anu.edu.au Human resources rspe.hr@anu.edu.au
- Information technology rspe.it@anu.edu.au
- Marketing outreach cmbe_cpms@anu.edu.au
- Research management rspe.rm@anu.edu.au
- Student administration rspe.hdr.sa@anu.edu.au

PHYSICS EDUCATION CENTRE REPORT

The undergraduate program in physics is an important activity in RSPE, and it takes time, dedication, creativity and leadership from a large number of people to provide the courses that constitute our program and to administer the program. This is the last week of the 2012 undergraduate teaching year, and there are many people I would like to thank. To all staff who have convened, lectured, tutored, and demonstrated courses this semester, thank you! There are too many of you to name. To those who have acted as year coordinators in 2012, Paul Francis, Ben Buchler, Joe Hope, Cormac Corr, Patrick Kluth and Sudha Mokkapat, thank you! Thank you to Jodie Bradby for her role as PhB coordinator. Thank you to the honours convenors, David Williams and Anatoli Kheifets, to all the honours supervisors, thesis examiners and lecturers in the honours year and to the departmental education coordinators. Thank you to Wieslaw Krolikowski for his role as HDR convenor and Fu Lan and Elena Ostrovskaya for their work as deputy convenors in HDR. Thank you to Andrew Papworth and Mika Kohonen for their creativity, dedication and hard work in the undergraduate laboratories, and thank you to Don Pepper for his excellent contribution in the mechanical workshop. Thank you to Shane Grieves for electronics support, and to Laura Walmsley, Gaye Carney, Liudmila Mangos and Karen Nulty for all the administrative help during the year. Lastly, thank you to Anna Wilson for all her dedication, enthusiasm and hard work over many years in undergraduate physics education at ANU. All of you have made important contributions in 2012 to what is, we believe, the best undergraduate physics program in the country.

RSPE ADMINISTRATION CHRISTMAS PARTY

International Pot Luck lunch

12:30, Wednesday 12 December

Bring in a plate of food or a dessert to share or you may pay Susie \$20 and enjoy your colleague's fine fare.

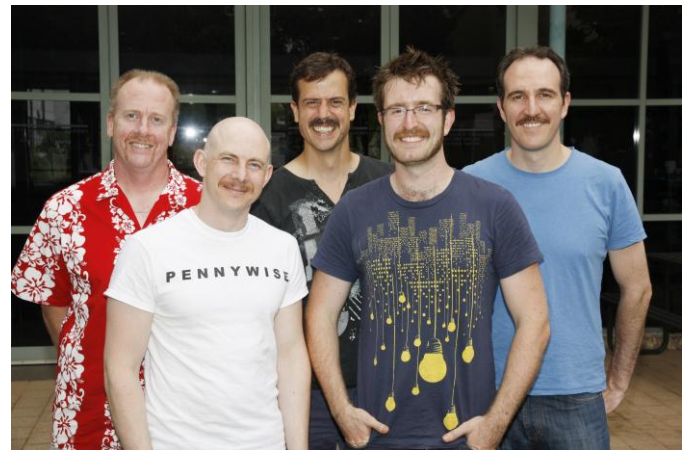
Please let Jo know what dish you are planning to bring by **Wednesday 5 December**.

MOVEMBER

Women are wailing, men are beating their chests, alas the five good looking lads that were team MoFisica will be disbanding and riding off into the sunset to fight another day. Through our campaign of ~~badgering~~ asking nicely we managed to raise over \$2700, that is better than a kick in the prostate!!!! We ranked in the top 1300 teams in Australia, peaked at 886 but always stayed in the top 9%. That my friends is a mighty fine effort for such a small team!

On this last day if you by chance pass by one of the bodaciously handsome lads, tip your hat and say "Well done pardner". We fought hard, endured the pain of the grow, but we are MEN and we made it!

Your team



Graeme "Gawww" Cornish, Dr David "Spruce" Sprouster, Michael "Modacious" Blacksell, Cameron "Chops" Samuel, Daniel "Tempered Steel" Tempra