



Research School of Physics and Engineering

Weekly newsletter | Volume 39 Number 25 | 28 June – 4 July 2013

FROM THE DIRECTOR'S OFFICE

The Director will be on leave from Wednesday 3rd - Wednesday 10th June.

Professor John Close will be Acting Director for this period.

DIRECTOR'S COLLOQUIUM



The Higgs anniversary: Unification, The Standard Model and the Greatest Story Ever Told... so far

Professor Lawrence Krauss

Research School of Astronomy and Astrophysics and Origins Project, Arizona State University

12.00 Thursday 4 July

Leonard Huxley Lecture Theatre

Snacks will be provided at 11.30am prior to the Colloquium

RETIREMENT

Mr Berni King will retire on Friday 29 July, after working in EME for more than 23 years. Berni joined EME on 6 November 1989, having worked at the Royal Australian Mint for around 15 years. For the past several years Berni has worked two days a week, and at the age of 75 has decided to dedicate more time to improving his handicap.

We will miss him and wish him good health and happiness in his retirement!

DEPARTMENTAL SEMINARS

Nuclear Physics Department

Spectroscopy of actinide nuclei

Dr Sankha S Hota

Nuclear Physics Department

11:00am Monday 1 July

Nuclear Physics Seminar Room

Applied Mathematics

An Introduction to Topological Data Analysis

Professor John Harer

Duke University, USA.

3:00pm Monday 1 July

RSPE Link Seminar Room.

CONGRATULATIONS

Congratulations to Ian Wenas who has taken out the EME 3 minute Thesis presentation competition last Friday. Also to America Ammeruddin who took out the people's choice award. Their prizes were \$25 gift voucher for the Co-op Bookshop and a very fashionable EME mug.

STAFF MOVEMENTS

Department of Quantum Science

Professor Ping Koy Lam will be absent from 29 June - 6 July to present an invited talk and be a member of the program committee at CLEO Pacific Rim in Kyoto, Japan.

School Facilities & Services

Graeme Cornish will be on leave from 1 - 15 July. **Craig Young**, MWS Manager will be acting School Facilities and Services Manager. Craig can be contacted on x57193 or Craig.Young@anu.edu.au

Electronics Material Engineering

Professor Rob Elliman will be an invited speaker at The 16th International Symposium on the Physics of Semiconductors and Applications (ISPSA-XVI) 2-5 July in Jeju, Korea.

Dr Bianca Haberl will be attending The Twenty-Fourth Biennial International Conference of the International Association for the Advancement of High Pressure Science and Technology (AIRAPT) in Seattle US on 7 – 12 July and also visiting with collaborators at the Geophysical Laboratory in Washington and Argonne National Laboratory in Chicago from 12 July to 11 August.

Professor Chennupati Jagadish is an invited speaker at the following conferences. The 7th International Conference on Materials for Advanced Technologies (ICMAT 13) 30 June – 2 July, Singapore, the 16th International Symposium on the Physics of Semiconductors and Applications (ISPSA-XVI) 3 July in Jeju, Korea and the 10th Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR 13) 4-5 July.

A/Prof Patrick Kluth, **Dr Boshra Afra** and PhD students **Thomas Bierschenk** & **Daniel Schauries** will be attending The 17th International Conference on Radiation Effects in Insulators (REI 2013) 28/6-7/7 in Helsinki, Finland.

Applied Mathematics

Professor Tim Senden will be on leave from 2- 14 July. **Dr Vanessa Robins** will take up duties as Head of Department for that period.

A/Professor Adrian Sheppard is a keynote speaker at the International Conference on Tomography and Material Structure in Belgium and will give an invited talk at the European Congress of Stereology and Image Analysis in Germany. He will be away for the period of 30 June - 14 July.

Drs Andrew Kingston, Shane Latham and Mr Thomas Li will also attend and give presentations at the Conference in Belgium as well as visiting collaborators just before and after the conference. They will be away from 26 June - 10 July.

Ms Mahsa Paziresh will attend the same conference in Belgium and will be away from 29 June - 30 July.

Atomic and Molecular Physics

Professor Anatoli Kheifets will be overseas from 30 June – 31 August. He will give seminars and conduct collaborative work with Universities of Stockholm and Vienna. He will present his works at the Attosecond Physics Conference in Paris, the Workshop on Intense field-Short Wavelength Atomic and Molecular Processes (ISWAMP) in Xi'an and The International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC) in Lanzhou (China). He will chair a session at the ISWAMP and present a report to the Executive Committee of the ICPEAC on the 2017 conference to be held in Australia.

Plasma Research Laboratory-SP3

Professor Rod Boswell will be giving invited conference lectures on bio applications of plasma in Jeju Korea, Electron Beams in Space Plasmas in Nagano Japan and Ion Beam Milling in Tokyo from 22 June - 20 July.

OHS BULLETIN

We thank Applied Maths, via Professor Tim Senden, for kindly purchasing a Defibrillator for the First Aid Officer team.

Staff are reminded that defibrillators for Physics South are located in the Cockcroft Foyer, and Nuclear Physics control room. Physics north is located in the Mechanical workshop with First aid officer, Paul Tant.

PROJECT MARKET DAY

On 13th August 2013 there will be an opportunity for staff to showcase their research and potential projects to both undergraduate students at all levels as well as graduate students. This is a great opportunity to attract potential students (3rd year project, PhB, Honours and PhD) to your research area. We expect a large participation of the undergraduate student cohort. Request for project descriptions and other information will be circulated in the coming week.

ROBERT AND HELEN CROMPTON AWARD 2013

Nominations are being sought for the Robert and Helen Crompton Award 2013.

This Award provides funding of up to \$20,000 to assist postgraduate research students enrolled at the Research School of Physics and Engineering to undertake part of their research program overseas or make a collaborative visit to an overseas institution, for 3 to 6 months.

The closing date for applications is 15th July 2013. Please e-mail applications to research.students@physics.anu.edu.au by 5pm 15th July 2013.

For enquiries, please contact Luda or Karen on research.students@physics.anu.edu.au

FRAME YOUR PHYSICS

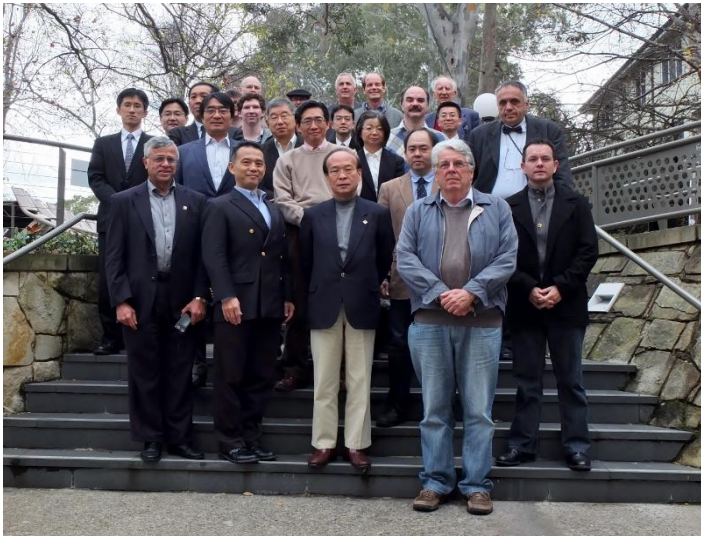
Following on from last year "Frame your Physics" competition, the ACT branch of the AIP will again run the competition in 2013 to promote the communication of physics to a general audience. The idea is to make a video of up to 3 minutes presenting a topic in physics in an entertaining and informative way. There will be various prizes up for grabs including for high school students, schools and also for university students. We have been advertising the competition in our undergraduate courses and we encourage supervisors to promote the competition with their Honours and PhD students as well. Entries must be submitted by August 19. Further information can be obtained from the "Frame Your Physics" website at www.act.aip.org.au/Frame_Your_Physics or contact us: Andre Carvalho (andre.carvalho@anu.edu.au) and Cormac Corr (cormac.corr@anu.edu.au)

JAPAN-AUSTRALIA COMMEMORATIVE WORKSHOP

The ARC Centre of Excellence for Antimatter-Matter Studies this week hosted JAWS-25, the "Japan-Australia Commemorative Workshop", celebrating 25 years of collaborations in gaseous electronics and its applications. The workshop was opened by its founding members Professor Robert Crompton (ANU) & Professor Toshiaki Makabe (Keio University), with 30 Japanese and Australian participants engaged in workshop activities over three days; which included a Aussie BBQ at the home of the RSPE Director, Canberra sightseeing, a traditional Australian Pub dinner & drinking session, and a formal workshop dinner at University House.

Professors Crompton and Makabe have now passed the responsibility for continuing the collaboration for another 25 years onto some younger researchers, and plans are already underway to meet again in a couple of years.

Some photos of the event are attached courtesy of Mr Adam Edwards.



JAWS25 Delegation



Bob Crompton opens the Workshop



Kangaroo spotting

