



Volume 38 Number 30

3rd - 9th August 2012

FROM THE DIRECTOR'S OFFICE

Professor Andrew Roberts has been appointed Dean of CPMS to start on 20 August 2012. The following arrangements will be in place for Acting Director, CPMS for the period 3 August to 19 August 2012:

3 August to 13 August – Stephen Buckman

14 August to 19 August – Martin Banwell

I also advise the Dean of Science position is in the process of being advertised and as such, Richard Baker will continue as Acting Dean of Science for the period 23 July to 31 August 2012.

If you wish to contact either the Director or Dean, please forward all correspondence to pa.science@anu.edu.au and it will be distributed accordingly.

DIRECTOR'S COLLOQUIUM



Staff and students at the August Director's Colloquium were taken on a journey of commercialisation by Dr Cathy Foley CSIRO. Dr Foley presentation 'How a single grain boundary found billions of dollars of mineral deposits: An overview of the use of SQUIDS for mineral exploration' detailed the twelve year story of how high-temperature superconductors are now used for mineral exploration across the world. The take home message was be prepared for 99% determination after your 1% inspiration!

SCHOOL SEMINAR

Surface coating nanoparticles for medical use

Dr. Ross Stephens

Applied Mathematics

4pm, Thursday 23 August

Leonard Huxley Lecture Theatre

The event details and abstract can be found on the RSPE website <http://physics.anu.edu.au/events.php?EventID=73>

Refreshments will be held in the RSPE Tea Room after the Seminar (around 5pm) ALL WELCOME

WELCOME

Reception

Welcome to Michelle Millynn, who is stepping into the role of Receptionist while Natalie is having a break.

Non-linear Physics

Prof Chaohong Li, a visiting fellow from Sun Yat-Sen University, Guangzhao, China, and who is also an ex-staff member of our Centre, is arriving today for a six week visit with NLPC.

Theoretical Physics

Professor Helmut Brand, University of Bayreuth, ECM, University of Barcelona, from 4 to 10 August. He will be conducting collaborative research with Prof Nail Akhmediev and other members of the Optic Science Group.

Professor Boris Dubrovin, Italy from 5 to 12 August. He will be conducting collaborative research with Prof Vladimir Bazhanov and other member in the Mathematical Physics Group.

Electronics Materials and Engineering

EME welcomes two new PhD students Daniel Schauries working with Dr Patrick Kluth and Ruixing (Andy) Feng working with Professor Mark Ridgway.

EME also welcomes Occupational Trainee Jens Hansen Ölmedal from Sweden who is working with Dr Lan Fu until 30th November 2012.

Department of Quantum Science

Dr Daniel Schütze, Albert Einstein Institute, Germany is visiting the GRACE Project team until 12 September.

Professor Yanbei Chen, Caltech and Dr Stefan Danilishin, UWA are visiting the Centre for Gravitational Physics from 12 – 22 August 2012.

FAREWELL

Electronics Materials and Engineering

EME farewells Dr Ian McKerracher who is leaving EME to return to his home town of Perth. Ian completed his PhD here and a short Postdoc appointment. Good luck with the new job.

STAFF MOVEMENTS

Nuclear Physics

David Hinde will be absent from the Department in the period 3 – 10 August 2012 in which time he will be giving talks at the Asian Nuclear Physics Association Workshop being held in Adelaide on the 3 August and then he will be travelling to Cairns to attend the XII International Symposium on Nuclei in the Cosmos being held 5 – 10 August 2012;

Prof Andrew Stuchbery is acting head during this time and can be contacted on 52097 or 52083.



Nanda Dasgupta will also be giving talks at the Asian Nuclear Physics Association Workshop being held in Adelaide 3 August.

Other members of the Department will also be attending the Symposium,

Prof George Dracoulis (on the International Advisory Committee and the Local Organising Committee) Dr's Liz Williams, Maurits Evers (speaker), Greg Lane (on the Local Organising Committee), Tibor Kibedi (on the Local Organising Committee), Anton Wallner (on the Local Organising Committee), Ms Kaitlin cook and Mr Duc Huy Luong.

Dr Mario De Cesare, AMS, will be away until the 25 August 2012. Mario is in Caserta, Italy doing research collaboration work with the Center for Isotopic Research on Cultural and Environmental heritage AMS group.

Dr Nikolai Lobanov will be away from 3rd August to the 3rd September 2012. During his absence please contact David Weisser, Alan Cooper and Alistair Muirhead with any issues related to accelerator operations

EDUCATION REPORT

Semester 2 is off to a good start, with record numbers of students enrolling in Life Physics (PHYS1004), Electromagnetism (PHYS2016) and Waves and Optics (PHYS2017). Thanks to all those who were involved in teaching in the first semester second year program - with such good retention into second semester, we can hope it continues into third year and Honours. And thanks to Adrian Sheppard, Jodie Bradby and Mika Kohonen for continuing to make Life Physics such an attractive option for our B Med Sci students and others.

Our new first year lab space, in the former Chemistry teaching labs, are now open and in use (for Life Physics). Thanks to Andrew Papworth and Mika Kohonen for getting this space up and running in a very short time.

TEACHING ENHANCEMENT GRANTS

The Vice-Chancellor's Teaching Enhancement grant program (<http://chelt.anu.edu.au/awards-grants/educational-grants/vc-teg>) offers an opportunity for academics to apply for up to \$10K to support their learning and teaching activities. If you have an idea for an education development project or would like some additional support for something in your teaching, you might like to think about applying for one of these grants. The deadline is 30th August; contact Anna Wilson if you would like to discuss developing an application.

OLIPHANT BIKE SHED REOPENED

The Oliphant Bike shed is now reopened and available for use; we would like to thank you for your patience while the building work was underway.

THE DUNBAR PHYSICS HONOURS SCHOLARSHIP

Do you want to study physics or become a physicist?

- > up to \$25,000 package including accommodation assistance
- > mentoring and networking program
- > diverse research options
- > largest physics program in Australia
- > travel grants to discuss interests
- > open to Australian and New Zealand students

A new scholarship has been established at the Research School of Physics and Engineering to promote physics education. The Dunbar Physics Honours Scholarship has been established in memory of the late Professor Noel David Dunbar who was the foundational Professor of Physics at the ANU from 1958 to 1968 and Deputy Vice-Chancellor of ANU from 1968 to 1977.

Ten scholarships with a stipend of up to \$10,000 and an additional living and accommodation allowance of up to \$15,000 will be available. Scholarships will be awarded based on academic merit. On-campus accommodation for interstate and New Zealand recipients will be guaranteed and accommodation support for local students will be considered.

Travel grants are available for potential students to visit RSPE to discuss interests and diverse range of research options.

To know more about the scholarship, contact:

T: +61 2 6125 1315

E: research.students@physics.anu.edu.au

W: physics.anu.edu.au/education/dunbarscholarship

USEFUL IPHONE APP – LOST ON CAMPUS.

There is a very useful little mapping application for finding your way around 27 Australian University campuses (including ANU). It includes not only streets and buildings, but also class rooms, lecture theatres and other amenities.

<http://lostoncampus.com.au/>

At the moment this app is only available for iPhone and iPad with an Android version expected later this year.