



Volume 38 Number 31

10th – 16th August 2012

FROM THE DIRECTOR'S OFFICE

Executive Tour

The new members of the Executive, Margaret Harding DVC(R), Marnie Hughes-Warrington, DVC(A) and Erik Lithander PVC (IO) will be taken on a brief tour of RSPE on Monday 13 August between 1-3pm.

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

DEPARTMENTAL SEMINARS

Nuclear Physics

Recent Results with Radioactive Ion Beams in Brasil (RIBRAS)

Professor Alinka Lépine-Szily

Instituto de Física-USP. São Paulo, Brazil

11:15 am, Monday 13th August

Nuclear Physics Seminar Room

Theoretical Physics

Two Band Superconductivity

Theoretical Physics Mid-Term Review Seminar

Brendan Wilson

Department of Theoretical Physics

2:00pm, Thursday 16 August

Le Couteur Building #59 Seminar Room 3.17

Supersymmetric Early Universe

Sergei V Ketov

Tokyo Metropolitan University

Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo, Japan

11:00am, Friday 17 August

Le Couteur Building #59 Seminar Room 3.17

Nonlinear Physics

Quantum dynamics of ultra-cold Bose gases with classical fields

Associate Prof Matthew Davis

School of Mathematics and Physics, University of Queensland

11:00am, Thursday 23rd August

Seminar Room, Oliphant Building

CONGRATULATIONS

Congratulations to **Patrick and Natasha Parkinson** on the birth of their beautiful son Toby.

Congratulations to **Dane and Natalie Kelly** on the birth of their gorgeous daughter Amelia.

STAFF MOVEMENTS

APPLIED MATHEMATICS

Andrew Kingston, Glenn Myers and Ajay Limaye will be attending the SPIE Optics & Photonics Conference in San Diego USA, from the 11th to 17th August 2012.

Electronic Materials Engineering

Professor Chennupati Jagadish will be visiting USA from 11/8-23/8/12 for SPIE Annual Meeting, Applied Physics Reviews Journal Editorial Meeting and also visiting the University of Cincinnati.

NUCLEAR PHYSICS

Emeritus Professor George Dracoulis will be overseas in the period 11 Aug to 5 September. He will be attending as an invited speaker the Nuclear Structure 2012 in Chicago, US, 12 - 18 Aug, whilst there he will continue collaborative work with Dr Kondev at the Argonne National Laboratory. George will then continue to Poland to attend, also as an invited speaker, the Zakopane Conference on Nuclear Physics, 27 Aug - 2 September, being held in Krakow, Zakopane.

Dr Greg Lane will be attending Nuclear Structure 2012 in Chicago, US from Aug 12th to 18th as both a member of the International Advisory Committee and as a speaker. From the 18th to the 19th he will attend the US Nuclear Physics Low Energy Community Meeting, also held in Chicago.

Dr Maurits Evers will be overseas in the period 10 Aug - 11 Sept. Maurits will participate in the experiment TASCA Z=119 at GSI, Darmstadt, Germany, 12 - 26 Aug. He will then travel to Poland to attend as an invited speaker the Zakopane Conference on Nuclear Physics, 27 Aug - 2 September.

Dr Tibor Kibedi will be overseas in the period 12 Aug to 13 Sept. Tibor will be attending the Nuclear Structure 2012 in Chicago, US, 12 - 18 Aug.



Professor Andrew Stuchbery will also be presenting a talk at the Nuclear Structure 2012 conference in Chicago, US, 12 - 18 Aug. He will then visit the Holographic Radioactive Beam Facility at Oak Ridge National Laboratory, Knoxville, US, for data analysis. Prof Stuchbery will be back on the 27 August.

PHYSICS EDUCATION CENTRE

Year Coordinators

PEC is currently seeking expressions of interest in the roles of 2nd, 3rd and Honours year coordinators, plus convenor of our Special Research Topics units and involvement in the 2nd year lab program. Role descriptions have been circulated to HoDs. Please contact your HoD or Anna.Wilson@anu.edu.au if you would like more information.

New to tutoring?

If you are new to tutoring/demonstrating this semester, the College is offering you a free lunch this Tuesday, 14th August at 1pm in Forestry F102. Please contact Ruth Mills for more info or to RSVP.

JOHN CARVER SERIES 2012

Call for Nominations

Heads of Departments, supervisors and students are invited to submit nominations for participation in the 2012 John Carver Seminar Series. The Seminar Series will be held on Tuesday, 11 September 2012 in Leonard Huxley Lecture Theatre 9.15am and 1pm.

Participating students will be expected to present a short talk on their research (~ 15 mins). Presentations are usually not followed by questions.

The winners will receive a certificate and a monetary prize.

To register, contact Liudmila Mangos (6125 1315) or Karen Nulty (6125 5195) or research.students@physics.anu.edu.au by **17 August 2012**

Nominees will then be requested to send the titles of their talks (no abstracts required) by **5 September 2012**.

SCHOLARSHIPS

The Dunbar Physics Honours Scholarship

GO BEYOND THE LAB

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

Scholarship for Space Plasma, Astronomy and Astrophysics

New Scholarship - Call for Application

The Space Plasma, Astronomy and Astrophysics scholarship has been established to aid postgraduate students undertaking research in Space Plasma, Astronomy or Astrophysics. The scholarship could be used towards travel, acquiring of equipment or collaboration activities as required.

The closing date for application is **30th August 2012 at 5pm**.

Value: The value of the scholarship is \$4,000

Number on offer: One or two per year

Eligibility:

Students currently enrolled in a graduate research program (Doctor of Philosophy or Master of Philosophy) in the College of Physical and Mathematical Sciences are eligible to apply.

Further Information:

For the Scholarship Terms and Conditions or further queries, contact E: research.students@physics.anu.edu.au

US DEVELOPMENT AND MENTORING PROGRAM

An opportunity for high-potential early and mid-career research staff to gain targeted exposure to North America funding sources and prospective partners is available now.

The North American Liaison Office will provide matching grants of up to \$5000 and in-kind support

Up to 6 College-identified high potential staff will participate in the program, which will bring them to the United States for



a targeted visit of up to 2 weeks designed by NALO and the Research Services Division in close consultation with the staff member and key stakeholders/support areas. The program will include a pre-visit briefing and post-visit debriefing and follow-up, and will also seek to match the staff member with a mentor drawn from the US-based alumni and friends community.

Application closing date: 24th August 2012

See: <http://northamerica.anu.edu.au/anu-community/supporting-researchers/us-development-and-mentoring-program/>

IS SPACE THE FINAL FRONTIER?

FRIDAY 17th AUGUST 2012 @ 6:00 pm

Alliance Francaise

66 McCaughey Street TURNER ACT



You are invited to attend a joint meeting of the Australian French Association for Science & Technology Canberra, with Alliance Française de Canberra for a **Soiree Scientifique** to discuss "Is space the final frontier?".

This will be an informal discussion where you can freely interact with distinguished scientists and practitioners in the field of space studies.

For further information please refer to the attached flyer.

Admission Free!

Bookings Essential at Alliance Francaise de Canberra

02 62475027 or

events@afcanberra.com.au

STUDENT OLYMPICS LUNCH

This afternoon, students enjoyed an Olympics themed lunch with pizza and drinks.

