



Research School of Physics and Engineering

Weekly newsletter | Volume 40 Number 24 | 14 - 18 July

SCHOOL SEMINAR



Akhmediev Breathers and Fermi-Pasta-Ulam Paradox

Professor Nail Akhmediev

Optical Sciences Group, Department of Theoretical Physics

4:00pm Thursday 17 July

Leonard Huxley Lecture Theatre

For further information please see the RSPE website:
<http://physics.anu.edu.au/events.php?EventID=214>

Drinks and nibbles will be held in the RSPE Tearoom

SPECIAL SCHOOL SEMINAR



Demystifying the editorial process at Nature and its sister journals

Dr Richard White

Editorial Manager, Scientific reports
Nature Publishing Group

11:00am Thursday 24 July

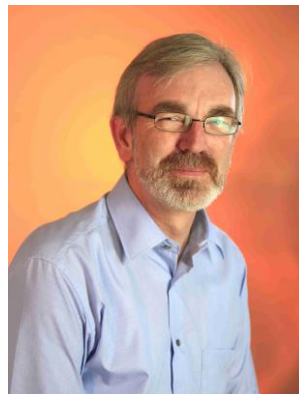
Oliphant Seminar Room

Richard is Editorial Manager of the journal Scientific Reports, and was previously a Senior Editor at Nature Communications. He will discuss the relationships of the different journals in Nature Publishing Group and explain their editorial processes. He will consider issues including: preparing for submission, cover letters, dealing with reviewers, and Open Access publication.

PHYSICS PROJECT MARKET DAY-19TH AUGUST

As part of Physics Project Market Day we request that all projects are updated on the website by **1st August**. If you want to keep current projects it is necessary to click "**Bump 2014**" which can be found through the "**Edit you profile**". If this is not performed then current projects will automatically be removed from the website.

DIRECTOR'S COLLOQUIUM



FUSION À LA PROVENÇALE:

Progress towards fusion energy at ITER

Dr David Campbell

ITER Organisation

12:00 Thursday 31 July

Leonard Huxley Lecture Theatre

Snacks will be provided at 11:30am prior to the Colloquium in the RSPE Tea Room Oliphant Building

THE PHYSICS EDUCATION CENTRE

The **Education Spring Planning Day** will be held on the **12th of September** this year. We have three working groups who are designing our new physics curriculum and course structure. The findings of these groups will be presented in the morning of the planning day and discussed in the afternoon. This will be an important meeting for the School, and all staff and students are encouraged to put this date in their calendar.

WELCOME

Electronic Materials Engineering

Welcomes **Dr Siva Kuruturi** who was a Postdoc at UNSW before joining EME for the next two years. He completed his PhD at Nanyang Technological University, Singapore in the area of Photoelectrochemical water splitting and ALD. He will be working with Prof Hoe Tan on the project 'water splitting' and can be found in Carver Building, Level 4 Room J4.18.

Dr Vini Gautam from Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore India who is visiting Jagadish's group for the next six months. Vini will be collaborating with Dr Vincent Daria in JCSMR and Jagadish in EME in the area of Biomaterials. Vini can be found in Cockcroft Bld Room C5.03.

Dr Balaji Purushothaman who is joining us from Bharathidasan University in Tamil Nadu India. Balaji will be joining us for six months on an Endeavour Scholarship and will be working with Prof Jagadish and his group on the project Fabrication and Characterisation of III Nitride Nanowires for LED applications. He will be sitting in Cockcroft Bld room C4.38.

AIP CONGRESS

The call for abstracts has been extended until 5.00pm Friday 18 July.

The Australian Institute of Physics, in association with the Australian Optical Society, invites you to submit an abstract to

the 21st biennial Australian Institute of Physics Congress, which will be held at the Australian National University in Canberra in the week **December 7-11** in 2014.

For more information, please go to <http://aip2014.org.au/index.asp?IntCatId=14>



STAFF MOVEMENTS

Applied Mathematics

Professor Tim Senden will be on leave from 10 - 16 July. During his absence **Professor Vince Craig** will be Acting Head of Department.

Plasma Research Laboratory

Professor John Howard will be on annual leave from 14-25 July. **Professor Michael Shats** will be Acting HoD during this period.

DEPUTY DIRECTOR TECHNOLOGY DEVELOPMENT

Attention Technology Developers!

In conjunction with RSPE the Technology Transfer Office will be holding a series of workshops over the next few months. All staff and students are welcome.

5th August: **Establishing a Start-Up** (3 hr) - basics covered, funding, marketing and stories shared.

2nd September: **Industry Engagement** (3 hr) - A guide to presenting your ideas and maintaining relationships with industry.

The workshops run the first Tuesday of each month starting at 9:30 in the Link Seminar Room.

For catering purposes please register with Tim Senden two days before each workshop.

DIRECTOR'S AWARD

Nominations are now open for the 2014 Director's Awards

Do you know someone who deserves to be nominated for a Director's award for outstanding service to the school?

The Director's awards acknowledge the service of individual staff members and/or teams above and beyond the normal requirements of their position.

All members of the RSPE community are eligible to be nominated for the awards including staff, students and visiting fellows.

The Director encourages all members of the School to discuss nominations with their heads of department and managers.

Nominations should include a citation and one paragraph supporting statement.

Nominations close **5pm Monday 12 September 2014.**

Further information:

<https://physics.anu.edu.au/intranet/directors-award.php>

Contact: RSPE Director's Office, director.RSPE@anu.edu.au

LAUNCH OF THE H-1 FACILITY UPGRADE

The Australian Plasma Fusion Research Facility (APFRF) held a successful launch of the H-1 facility upgrade yesterday in coordination with the launch of the strategic plan for fusion science.

Senator Zed Seselja along with Dr Adi Paterson, Director of ANSTO, were welcomed to the facility by the Vice-Chancellor and Deputy Vice-Chancellor.

More information: <http://news.anu.edu.au/2014/07/10/fusion-energy-facility-promises-clean-energy/>



Senator Zed Seselja at the launch



Prof. John Howard, Senator Zed Seselja & Prof. Boyd Blackwell



Assoc. Prof. Matthew Hole, Prof. Andrew Roberts,
Dr Adi Paterson & Prof. Stephen Buckman

3 MINUTE THESIS COMPETITION

The [3MT](#) international research student competition is on again for 2014 and the Australian National University is currently preparing for the school heat, college and ANU finals of the [3 Minute Thesis competition](#).

The school's 3MT heat (including a light lunch) will be held on **24 July 2014**, followed by the College final in August ready for the final ANU 3MT competition on Wednesday 17 September 2014. In regard to prizes on offer, for ANU college 3MT winners will receive \$1,000 research support grant and up to \$4,000 on offer for ANU final 3MT winners.

Further information: rspe.hdr.sa@anu.edu.au

OHS BULLETIN

Electrical safety

Staff and students are reminded not to repair, modify or tamper with electrical equipment in anyway, unless you're an approved person. Equipment constructed or modified must undergo a certification procedure undertaken by an approved area such as the School Electronics Unit or School Electrician. Please do not use electrical equipment overdue for testing, and if overdue bring it to the attention of your supervisor. Turn off faulty electrical equipment and unplug it. Attach and sign a 'Danger- Do Not Operate' tag (available from School Store) and bring it to the attention of your supervisor.

Training courses

Electrical Australian design standards (OHSA24) **21 July**

Ionizing radiation safety - Machines (OHSA19) **22 July**