



## DIRECTOR SEARCH

Dear Colleagues,

We have now concluded a second search process to identify the next Director of RSPE. This search has been much more fruitful – we now have a long-list of 7 high quality candidates. The next phase will be to undertake a Skype interview with all 7 candidates to decide a short-list of 4 candidates to bring in for a full interview process. This process will include presentations to the School by the candidates. The Liaison Committee will be important for feeding your views on the candidates to the Selection Committee.

This process has taken longer than originally hoped. We are running into the busy Christmas season followed by the holiday season. We are now aiming to conduct interviews as soon as practicable in February. In the case that Stephen Buckman's term as Director ends before the successful candidate can take office, we will work out the necessary details in due course. The aim is to secure the best possible candidate to work with you to drive the future of the School. Modest delays should be seen in the context of the importance of securing the right appointment.

Thank you for your assistance to the process and for your patience. We have been ably served by the team at ANU Search to whom I am most grateful. I look forward to continuing to work with you to secure the best possible outcome for the School.

Best wishes,

Andrew Roberts, Dean CPMS

## RETIREMENTS

Two long serving members of the Mechanical Workshop are retiring, Owen Kershaw (32 years) and Miro Peric (25 years). An afternoon tea to celebrate their time at RSPE will be held on Wednesday 3 December at 3:30pm in the RSPE Tearoom. Please join us to say farewell.

## WELCOME

### **Electronic Materials Engineering**

Welcomes **Dr Tâmara Santos** who is visiting with Professor Chennupati Jagadish for one year. Tâmara is from Federal University of Sergipe, Brazil and will working in the area of Solar Cells. Tâmara can be found in the Cockcroft Building Room C5.02.

## CMBE AND CPMS DISCOVERY FORUM

We will discuss how to improve success in the upcoming ARC Discovery Rounds. The Forum will be presented by successful ARC grant recipients with Q&A session.

**All academic staff intending to apply for an ARC DP grant are strongly encouraged to attend.**

### CMBE and CPMS Discovery Forum

**9.30am – 11.30am Tuesday 2 December**

Finkel Theatre, JCSMR Building 131

## ANU ENERGY CHANGE INSTITUTE

### Open Day 2014

**9.00 – 12.30 Monday 1 December**

Leonard Huxley Lecture Theatre

RSPE staff and students are invited to attend the annual Open Day for the ANU Energy Change. See the ECI website for the program of presentations:

<http://energy.anu.edu.au/news-events/eci-open-day-2014>

At lunch there will be a poster session where RSPE energy researchers can bring along the highlights from their recent conference presentations.

Morning tea and lunch will be provided - registration is required:

<https://anueci-opensday.eventbrite.com.au>

## STAFF MOVEMENTS

### **Plasma Research Laboratories**

**Professor John Howard** will be away on annual leave from Monday 15 December 2014 and return on Monday 19 January 2015. **Professor Michael Shats** will be acting Head of Department from 15 December - 24 December 2014 and **A/Professor Matthew Hole** will be acting Head of Department from 2 January - 16 January 2015.

## LIGHT, ENERGY AND ENVIRONMENT CONGRESS



Two keynote sessions featuring global experts are now open to the public. Limited seats available.

The Light, Energy and the Environment Congress <http://energy.anu.edu.au/news-events/light-energy-and-environment-congress> examines the frontiers in the

development of optical technologies for energy production, transport, and use. It also examines the use of optical and photonic approaches to monitor energy usage and the effects energy production has on the environment. The Congress (2-5 December) is organised by The Optical Society <http://www.osa.org> and hosted by the ANU Energy Change Institute <http://energy.anu.edu.au> and the Australian Optical Society <http://optics.org.au>

## DEPARTMENTAL SEMINARS

### **Electronic Materials Engineering**

**Vertically aligned semiconductor nanowire array and their applications**

**Professor Takashi Fukui**

Graduate School of Information Science and Technology, and Research Center for Integrated Quantum Electronics (RCIQE) Hokkaido University

**11:00am Monday 1st December**

RSPE Link Seminar Room

**Black Silicon and its Applications in Optics and Opto-Electronics**

**Mr Martin Steglich**

Institute of Applied Physics, Friedrich-Schiller Universität Jena

**2:00pm Monday 1st December**

RSPE Link Seminar Room

### **Nonlinear Physics Centre**

**Propagation of Laguerre-Gaussian beams in turbid tissue-like scattering medium**

**Dr Alexander Doronin**

Biophotonics & Biomedical Imaging Research Group, Department of Physics, University of Otago, New Zealand

**2:00pm Tuesday 2 December**

Oliphant Building Seminar Room

## SPIE SEMINAR

**Lighting a fire with vacuum friction**

**Professor Zubin Jacob**

Department of Electrical & Computer Engineering, University of Alberta, Canada

**4:00pm Thursday 4 December**

Oliphant Building Seminar Room

*Snacks will be held in the RSPE Tearoom after the seminar*

### **Laser Physics Centre**

**Precision experiments in strong-field and attosecond science**

**Professor David Kielpinski**

Australian Attosecond Science Facility, Griffith University

**2:00pm Friday 5 December**

RSPE Conference Room

## FRIDAY, SOCIAL CLUB HEADS NORTH

Join Social Club this Friday (05/12) for its monthly Drinks up North. This event will take place in the Physics North courtyard (near the PEC and RSPE's DQS) starting at 4pm.

The aims of these events are firstly to provide an opportunity for staff to interact with undergraduate students in an informal atmosphere, and secondly to bring the staff and students of Physics North and South closer together.

Please contact Colin Campbell ([colin.campbell@anu.edu.au](mailto:colin.campbell@anu.edu.au)) if you have any questions.

## OTHER SEMINARS

### **Silicon Tandem Solar Cells**

**8.30am-10am Tuesday 2 December**

Manning Clark Theatre 1



Scientia Professor Martin Green will speak about the potential of Perovskites and other non-conventional materials for Solar Energy. This will be preceded by an Opening Ceremony featuring ACT Minister Simon Corbell, MLA and Parliamentary Secretary to the Minister of Environment Senator Simon Birmingham and ANU Vice-Chancellor Professor Ian Young.

<http://www.eventbrite.com.au/e/opening-ceremony-of-the-osa-light-energy-and-the-environment-congress-featuring-a-keynote-address-by-tickets-14186122073?ref=ebtnebreqn>

### **Solar Energy in a Sustainable World**

**8.30am-10am Friday 5 December**

Manning Clark Theatre 1



Nobel Laureate and Former US Energy Secretary Steven Chu will address the Congress. Professor Chu will share his thoughts on the current status and future prospects of photovoltaics and solar thermal energy, as well as biofuels and the conversion of sunlight/electricity to fuel. The talk will be preceded by a Plenary Opening Ceremony.

<http://www.eventbrite.com.au/e/steven-chu-plenary-address-at-the-osa-light-energy-and-the-environment-congress-solar-energy-in-a-tickets-14186360787?ref=ebtnebreqn>