



## Research School of Physics and Engineering

Weekly newsletter | Volume 40 Number 6 | 10 – 14 March

### SCHOOL SEMINAR

#### An Electron Microscopist's Journey through the Nanoworld of Semiconductors

**Assoc. Prof. Jenny Wong-Leung**

Joint between the Centre for Advanced Microscopy and RSPE

**4:00pm Thursday 20 March**

Leonard Huxley Lecture Theatre

*Drinks and nibbles will be held in the RSPE Tearoom after the seminar*

### MARCH DIRECTOR'S COLLOQUIUM



#### Rubbish - the beauty within

The first presentation in the 2014 Physics ANU Director's Colloquium Series was given by Prof Veena Sahajwalla from UNSW. Staff and students heard an inspiring story about making a difference in waste up-cycling and her group's work on bringing waste back to life. It was particularly interesting to hear how proactive her team was at selling their ideas to industry - they certainly did not sit in their offices and wait for industry to come to them for the solution!

The colloquium resulted in the following article in the Canberra Times: <http://www.canberratimes.com.au/act-news/convinced-by-veena-sahajwallas-trash-talk-20140305-347tb.html>

### DISCOVERY PROJECTS

**Absolute final date for submission - 12th March 2014**

### RSPE ARC PEER REVIEW – DECRA

Below is the timetable for RSPE peer review of DECRA applications:

College Research Office Deadline - 12th March 2014 (Wednesday)

College Research Office Review and Feedback - 19th March 2014

**\*\*Revised Final Proposals (incorporating feedback) - 26th March 2014**

ARC Submission – 2 April 2014 (Wednesday)

### WELCOME

#### Electronic Materials Engineering

Welcome to PhD student **Ms Wenjie Yang** who joins us from UNSW to work with **Professor Jim Williams** on the optical & electrical properties of gold super doped silicon. Wenjie will be sitting in Cockcroft Bldg. room C4.59.

Welcome to PhD student **Mr Shuai (Jack) Li**. Jack completed his Bachelor of Engineering on the topic of 2D Metamaterial Design at Microwave Frequency and will be working with **Professor Rob Elliman** on the project Non Volatile Memory. Jack will be sitting in John Carver J4.16C.

Welcome to Occupational Trainee **Mr Julien Seznec** from École normale supérieure in Paris who will be visiting with EME until September 2014. He will be working with **A/Professor Lan Fu** on the topic of Nano-structured III-V Solar Cells. Julien can be found in John Carver J4.16C

### APPLICATION FOR SCHOLARSHIP

Call for applications for the Scholarship for Space Plasma, Astronomy and Astrophysics

The scholarship is intended to aid postgraduate students undertaking a research project in Space Plasma, Astronomy or Astrophysics. The scholarship could be used towards travel, acquiring of equipment or collaboration activities as required. Further details, including eligibility and the conditions of the award, can be found at

<http://students.anu.edu.au/scholarships/gr/off/dom/space-plasma.php>

Applicants need to present a case, supported by their supervisor, specifying why funding is required and how it will assist their current research.

Applications close 5pm, 31 March 2014

Enquiries: [rspe.hdr.sa@anu.edu.au](mailto:rspe.hdr.sa@anu.edu.au)

### OHS BULLETIN

Corrosives (OHS07) 17 March

Occupational strains prevention (OHSG07) 18 & 25 March

Height safety refresher (OHS17) 20 March

OHS training for supervisors (OHSG28) 27 March

## IMAGES WANTED

We are looking for your physics images that might be suitable for translation into lace. The NSW president of the AIP, Anna Binnie, is in a group of lace makers that wishes to produce works for the Canberra AIP Congress theme "**The art of physics**" ([www.aip2014.org.au](http://www.aip2014.org.au)). If you have any images that you think might work please email them to the conference secretary: [craig.savage@anu.edu.au](mailto:craig.savage@anu.edu.au). We'll pass them on and let the lace makers choose.

## DEPARTMENTAL SEMINARS

### Department of Quantum Science

#### Time and the Physical Universe

#### Dr Peter Riggs (Visiting Fellow DQS)

Will present an invited seminar to the ANU's Research School of Astronomy and Astrophysics (RSAA)

**11:00am Thursday 13 March**

Mt. Stromlo Observatory.

## FRIDAY PHYSICS SOCIAL CLUB HEADS NORTH FOR A BBQ

On the first Friday of every month the Friday Physics Social Club is held in the Physics North courtyard (near the Department of Quantum Science).

The next event will be held this Friday, the 7th of March, from 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.

This month we will be having a BBQ which is free for fee paying students.

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

## ATTN: RSPE PROFESSIONAL STAFF

Autumn BBQ

**12:30 on Thursday, 13 March 2014**

Link Building BBQ area

**Cost only \$10**

Meal includes: gourmet sausages, onions, salad, bread roll and soft drink

Vegetarian available – please advise when paying

### YUMMY SLICES

Enjoy the yummy slices created by your colleagues

Please let Kath know if you can make and donate a slice

Slice will be sold (gold coin) to raise funds for UNICEF Fund

All profits will be donated to the UNICEF Philippines Fund

**RSVP and payment to Susie by COB Tuesday, 11 March**

**Sorry, but latecomers may not be catered for.**

## INTERNATIONAL WOMEN'S DAY MORNING TEA

The women of RSPE met on Thursday morning to celebrate IWD with coffee, cake and a chat.

Special thanks to Martina, Julie, Jo and Andrea for organising this event. It was much appreciated.

Some photos of the event are included below.

