



Research School of Physics and Engineering

Weekly newsletter | Volume 40 Number 3 | 7-13 February

FROM THE DIRECTOR'S OFFICE

The Director will be attending and presenting a talk at the 18th Gaseous Electronics Meeting in Victor Harbour, SA from 10-12 Feb. Professor Tim Senden will be acting Director during this period.

RSPE ARC PEER REVIEW – DISCOVERY PROJECTS

Below is the timetable for RSPE peer review of ARC Discovery projects. Please note the different deadlines for new and for experienced grant writers. The buddy review system is recommended for all.

RSPE Buddy Review (optional but recommended) - 12th Feb 2014 (Wednesday)

RSPE Peer Review (new CIs) - 19th Feb 2014 (Wednesday)

RSPE Peer Review (experienced CIs) - 24th Feb 2014 (Monday)

***College Research Office Deadline - 26th February 2014 (Wednesday)**

College Research Office Review and Feedback - 5th March 2014

****Revised Final Proposals (incorporating feedback) - 12th March 2014**

ARC Submission - 19th March 2014 (Wednesday)

CONGRATULATIONS

Congratulations to **Nian (Jenny) Jiang** who has won the John Farrant Prize (Physical Science) for the best student talk at the recent ACCMM23 & ICONN2014 conference.

OHS BULLETIN

Procedure for Accessing Restricted Areas

The department or work area where service work is to be undertaken shall communicate the expected service type and access times widely to all members of their local area.

The person responsible for the lab / area and who provides the technician, visitor or contractor with access, is required to induct this person and ensure the area is safe for work to proceed.

If a safe working environment cannot be provided and/or a hazard/danger eliminated (e.g. equipment cannot be turned off), the lab/area supervisor or his nominated representative person must accompany the person at all times.

OHS TRAINING COURSES

12 February Ionizing radiation safety

18 February Chemical safety

Enrol: ohstraining@anu.edu.au

LECTURES AND WORKSHOPS ON NUCLEAR STRUCTURE THEORY

Presented by Professor Alex Brown

National Superconducting Cyclotron Laboratory,
Michigan State University

Monday 10th February - Friday 21th February (excluding Monday 17th February)

9:30am – 10:30am

The subject matter is nominally as listed below, however the program, including hands-on opportunities to use the shell model code NuShellX, will be developed in consultation with the participants during the first session.

Lectures 1-2: Binding energies, single-particle energies, single-particle potentials, nuclear sizes, energy density functionals, and the nuclear equations of state

Lectures 3-4: Shell model, model spaces, effective interactions, and introduction to NuShellX

Lectures 5-6: One and two particle transfer observables

Lecture 7: Electromagnetic observables

Lecture 8: Fermi and Gamow-Teller beta decay

DEPARTMENTAL SEMINARS

IEEE Nanotechnology Council ACT Chapter, IEEE Photonics Society and Electron Devices Society ACT chapter & EME Department Seminar

Thermal Plasmonics as a Route to Photovoltaics?

Professor David J. Norris

Optical Materials Engineering Laboratory

ETH Zurich, Switzerland

11:00am Monday 10 February

RSPE Link Seminar Room

Electronic Materials Engineering

Nanoporous Ge induced by ion implantation: formation mechanism, properties and novel applications

Professor Lucia Romano

Università di Catania

11:00am Tuesday 11 February

RSPE Link Seminar Room

Nuclear Physics

Constraints on the Skyrme Equations of State from Properties of Doubly-Magic Nuclei and from Ab-Initio Calculations of Low-Density Neutron Matter

Professor Alex Brown

Department of Physics and Astronomy, and National Superconducting Cyclotron Laboratory,
Michigan State University, East Lansing, Michigan

11:00am Thursday 13 February

Nuclear Physics Seminar Room

Building 57, West end of Garran Road

Past, Present and Future of Nuclear Strategy

Dr Stephan Frühling

Senior Lecturer, Strategic and Defence Studies Centre

11:00am Monday 17 February 2014

Nuclear Physics Seminar Room

Nonlinear Physics Centre

Topologically protected states in nonlinear waves

PHD MID-TERM SEMINAR

Mr Daniel Leykam

PhD student, Nonlinear Physics Center

11:00am Wednesday 19 February 2014

Link Building Seminar Room, Oliphant Building

2014 ENTRY 29'S POPULAR 'FOUNDERS SERIES'

Listen to successful tech entrepreneurs share their uncensored journey and hard-won lessons to inspire you to stand out from the crowd and grow your business. The first speaker for 2014 is ***Dr Miles Jakeman***, Managing Director of the Citadel Group Limited.

Thursday 6 February 2014

Entry 29 – Seminar Room, 17 Childers St, Canberra, ACT 2601 AU

5:00pm (for 5.15pm start)

For more information: <http://www.eventbrite.com/e/entry-29-founders-series-miles-jakeman-citadel-group-tickets-10404402849>