



Volume 37 Number 6
18 - 24 February 2011

SCHOOL SEMINARS

Nonlinear Physics & Laser Physics Centres

Wednesday 23 February, 11.00am

Link Building Seminar Room, Oliphant Building

Second- and third-harmonic parametric scattering in ordered and disordered media

Mr Ksawery Kalinowski, LPC & NLPC (mid term)

Theoretical Physics Seminar

Thursday 24 February 2011, 11.00am

Le Couteur Seminar Room, LC.3.17

Corner Transfer Matrix Method for Lattice Systems

Mr Andrew Kels, TP (mid term)

HONOURS LECTURE SERIES

Tuesdays, Wednesdays, Fridays, 12.00noon

(Tues 22 Feb – Friday 3 June)

Peter Baume Building (42a) lecture theatre

Advanced Electromagnetism

Drs Matthew Hole and Ron Burman

PhD students and staff are invited to attend the Honours lecture series which covers Jackson's famous textbook on the subject.

VISITORS

Professor Gerard Milburn, University of Queensland, will be visiting the Department of Nuclear Physics for collaboration with the Reaction Dynamic Group on the 17 - 18 February.

The Department of Theoretical Physics would like to welcome Mr Philipp Gruber, an exchange student from ETH-Zurich, who will be visiting until the end of June 2011 and writing his Master's thesis under guidance of Prof Peter Bouwknegt.

IT NEWS

Scam Reminder: Several email scams have been reported recently stating to be from the School or ANU. 99% of emails requesting passwords, personal details or financial information **are fraudulent**. Please do not reply to these emails and treat them as suspicious. If you do not recognize the sender or the circumstance then delete it (eg. eBay saying your item is ready to ship even though you have not won anything).

Facebook scams reported with titles such as "You have notifications pending" and addressing you without your Facebook name (eg "Hi," instead of

"Hi John Doe,"). The links in the emails do not take you to the Facebook site. Delete.

If you feel you may have inadvertently replied to on an email or submitted a web page associated with a potential phishing scam report it to the relevant authorities (bank, institution, or the SCU) or contact it.support@physics.anu.edu.au

Virtual Private Network (VPN): accessing our network from outside campus. The old RSPHysSE, Nuclear and Physics VPNs will be decommissioned next month (13th March). The new VPN requires a different VPN client (Cisco AnyConnect) which is now also compatible with 64bit windows. For more information please go to <http://physics.anu.edu.au/scu/documentation/vpn.hp> or contact the SCU.

LEUKAEMIA FOUNDATION

AMPL student Jason Roberts is losing his lovely locks for the Leukaemia Foundation's World Greatest Shave fundraiser. Jason is carrying around a receipt book for cash donations. If he's not in his office in Cockcroft 3.01, he'll be in the CAMS lab (Weigold 4.01). Donations can be made here <http://my.leukaemiafoundation.org.au/JasonR>

EDUCATION MATTERS

A summary of research based educational practice is: *How Learning Works*, S. Ambrose et al. 2010. The book is organised around seven principles (Laws of Learning?):

1. Student's prior knowledge can help or hinder learning.
2. How students organize knowledge influences how they learn and apply what they know.
3. Student's motivation determines, directs, and sustains what they do to learn.
4. To develop mastery, students must acquire component skills, practice integrating them, and know when to apply what they have learned.
5. Goal-directed practice coupled with targeted feedback enhances the quality of students' learning.
6. Student's current level of development interacts with the social, emotional, and intellectual climate of the course to impact learning.
7. To become self-directed learners, students must learn to monitor and adjust their approaches to learning.

A Kindle sample of the book is available free from Amazon.