

Weekly Bulletin

Research School of Physics and Engineering



Volume 35 Number 35
11 – 17 September 2009

SCHOOL SEMINAR

EME Seminar

Monday 14 September 2009

2.00pm

“Giant-Kerr nonlinearities in Circuit-QED”

by Professor Jason Twamley, Macquarie University

Seminar Room, Link Building, RSPE

Afternoon tea in the Oliphant Building Foyer afterwards.

All Welcome

ACQAO Seminar

Tuesday 15 September 2009

14.00pm

by Paul Altin, PhD Candidate discussing

'Generation of 85Rb BEC and future experiments'.

The Australian National University Atom Laser Group has recently produced a BEC of 85Rb. A broad, low field Feshbach resonance allows the ability to tune the interactions of atoms in the condensate from attractive to zero to repulsive. The group intends to pursue experiments with interaction free atom lasers and analog systems such as the 'Bosenova'

ACQAO Seminar Room

UPCOMING PAPER IN NATURE

Nature paper out on 10 September: "**Coherent optical pulse sequencer for quantum applications**". Ping Koy's group in ACQAO / Department of Quantum Science have just published new results in Nature. Authors include, Mahdi Hosseini, Ben M. Sparkes, Gabriel Hetet, Jevon J. Longdell, Ping Koy Lam & Ben C. Buchler.

WELCOME

The Department of Theoretical Physics welcomes two new visitors: Matthew Zuparic from the University of Melbourne working as an intern at

DSTO until mid January 2010 and He Peng, a PhD student from the Institute of Physics, Beijing, working under the supervision of Dr Xiwen Guan and Professor Murray Batchelor until September 2010.