

# Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 39  
12 – 18 October 2007

## SCHOOL COLLOQUIUM

**Thursday 18 October 2007**

4.00pm

“Superconductivity Research at the CSIRO”

by Cathy Foley

CSIRO Materials Science and Engineering,  
Lindfield NSW 2070

**Leonard Huxley Lecture Theatre**

**All welcome.**

## SCHOOL SEMINARS

**Theoretical Physics Seminar**

**Wednesday 17 October 2007**

11.00am

“Quantum Turbulence”

by Professor Russell J. Donnelly

Department of Physics, University of Oregon  
Link Building Seminar Room

**AFAS ACT TALK - AFAS (ACT) Inc**

**Tuesday 23 October 2007**

18.00 for 18.30

“Sea Levels: past present and future”

Will we wade to work?

by Professor Kurt Lambeck

AustralianFrench Association for Science and  
Technology (ACT) Inc

Professor Kurt Lambeck is the President of the  
Australian Academy of Science. He is a  
geophysicist/planetologist and for many years  
Professor of Geophysics at the Australian National  
University. His research interests centre on the  
interactions between ice sheets, oceans and the  
solid Earth, as well as the rise and fall of sea levels  
and their effect on human civilisations.

As usual AFAS will be providing drinks and light  
refreshments

**WHERE: ANU campus, RSPHysSE, end of  
Mills Road, Seminar Room**

Please reply to Irina.Borissova@ga.gov.au by  
COB Monday the 22 October whether you are  
planning to attend (for catering)

## TEKTRONIX EQUIPMENT DISPLAY.

**Tuesday 16 October 2007**

**9:30am - 1:30pm**

TekMark are demonstrating some of Tektronix's  
latest equipment (including: oscilloscopes,  
generators and analysers) in this School.

Seminar Room, Link Building, RSPHysSE

**All welcome.**

For further details see Tony Cullen

## STAFF MOVEMENTS

The Department of Theoretical Physics welcomes  
Dr Keiichi Shigechi from the Department of  
Physics, University of Tokyo. He will be visiting  
the Mathematical Physics Group from 15 October  
to 17 December, partially supported by Professor  
Batchelor's ARC Linkage International grant.

Professor Vladimir Bazhanov will be overseas  
from 15 October - 19 November 2007 to give a  
course of lectures on “Low-dimensional quantum  
systems” at the Max-Planck-Institute for  
Gravitational Physics in Potsdam and give a talk  
on “Quantum Geometry” for the “Infinite Analysis  
Seminar” at the University of Tokyo.

Dr Jenny Wong-Leung, EME, will attend the  
International Conference on Silicon Carbide and  
Related Materials in Osaka Japan, 13 - 19 October.

Dr Michael Shats, Plasma Research Laboratory,  
will travel to Japan during the period 13-21  
October 2007 to give an invited talk at the 17th  
International Toki Conference on Physics of Flows  
and Turbulence in Plasmas.

## VISITORS

**CAMS/AMPL**

The Centre for Antimatter-matter Studies  
welcomes Visiting Fellow Professor Gustavo  
Garcia from the Institute of Mathematics and  
Fundamental Physics, Madrid, who will be visiting  
from 5 October until 31 March 2008 for research

collaboration with CAMS members in applying measured scattering cross sections and reaction rates to the modelling of radiation tracks and damage in materials.

## **GRANTS & AWARDS**

### **American Philosophical Society**

Program Number: 84315

Title: Lewis and Clark Fund for Exploration and Field Research

E-mail: LMusumeci@amphilsoc.org

Program URL:

<http://www.amphilsoc.org/grants/lewisandclark.htm>

The sponsor offers support for exploratory field studies for the collection of specimens and data and to provide the imaginative stimulus that accompanies direct observation.

**Deadline(s): 15/02/2008**

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?84315](http://australia.infoed.org/spin/spin_prog.asp?84315)

### **Smithsonian Institution**

Program Number: 00368

Title: Visiting Scientist Program at the Smithsonian Astrophysical Observatory

E-mail: vsp@cfa.harvard.edu

Program URL:

<http://www.cfa.harvard.edu/opportunities/visitingsci.html>

The sponsor provides support to visiting scientists to facilitate the exchange of scholarly information in the areas of atomic and molecular physics; infrared, optical, radio, and X-ray astronomy; planetary sciences; geophysics; solar and stellar physics; and theoretical astrophysics. There are no citizenship restrictions. Appointments may be up to one year in duration. Stipends may vary.

Link to full program description:

[http://australia.infoed.org/spin/spin\\_prog.asp?00368](http://australia.infoed.org/spin/spin_prog.asp?00368)