

Weekly Bulletin

Research School of Physics and Engineering



Volume 35 Number 43
13 – 19 November 2009

SCHOOL SEMINARS

Nonlinear Physics Centre Seminar **Wednesday 18 November 2009**

2.00pm

“Nonlinear Silicon Photonics: Analytical Solutions”

by Dr I. D. Rukhlenko

Department of Electrical and Computer Systems
Engineering MONASH University Melbourne,
Australia

Link Building Seminar Room, Oliphant Building
All Welcome

Nonlinear Physics Centre Seminar **Friday 4 December 2009**

11.00am

“Ultra-long fibre lasers”

by Professor Sergei K. Turitsyn

Photonics Research Group, Aston University, UK
Link Building Seminar Room, Oliphant Building
All welcome

Nonlinear Physics Centre Seminar **Friday 4 December 2009**

2.00pm

“Inhibition of light tunneling in longitudinally
modulated waveguide arrays”

by Dr Yaroslav Kartashov, ICFO - The Institute of
Photonic Sciences Barcelona, Spain.

Link Building Seminar Room, Oliphant Building
All welcome

PHYSICS DISCIPLINE SUB-COMMITTEE MEETING

On Tuesday 17 November at 12pm in the RSPE
Tea Room there will be a Physics Discipline sub-
committee meeting. The agenda is to consider
approval of the following RSPE Education
Working Party recommendations:

1. The name of CLTPS be changed to CPT:
"Centre for Physics Teaching".
2. Strengthen physics major as described in
recommendation 2i.

If you would like a copy of the RSPE Education
Working Party report please email:
craig.savage@anu.edu.au

There will also be a demonstration of apparatus for
learning about NMR, before and after the meeting

STAFF MOVEMENTS

Professor Mukunda Das, Theoretical Physics, will
be in India from 14 November – 17 December,
visiting the Institute of Physics and NISER at
Bhubaneswar and will give an invited talk at the
International Conference on Electroceramics in
Delhi.

FROM THE FACILITIES & SERVICES MANAGER

Success for Mechanical Apprentice

In October, Link Williams, one of our mechanical
apprentices, competed in the Worldskills Australia,
regional competition in Sydney. His section was
Computer Assisted Machining. Competitors were
given four hours to become familiar with computer
aided machining software and two computer
numerical controlled (CNC) machining centres.
The task was to draw and print four different
items. Then manufacture them using the CNC
lathe and CNC milling machine.

Link was awarded second place in the two day
competition. He will now be recommended to
compete in the State championships next year.

Link is a College apprentice and has spent time in
the RSPE Mechanical Workshop, Department of
Quantum Science, Research School of Earth
Sciences and the Research School of Chemistry.

GRANTS & AWARDS

VolkswagenStiftung Foundation

Program Number: 05669

Title: Extreme Events: Modeling, Analysis and
Prediction

E-mail: bischler@volkswagenstiftung.de

<<mailto:bischler@volkswagenstiftung.de>>

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Web Site:

<http://www.volkswagenstiftung.de/funding/thematic-impetus/new-conceptual-approaches-to-modeling-and-simulation-of-complex-systems.html?L=1>

Program URL:

http://www.volkswagenstiftung.de/fileadmin/downloads/merkblaetter/MB_82d_e.pdf

The sponsor invites applications for projects by a group of researchers, who deal with the modeling of extremes in complex systems.

Deadline(s): 01/12/2009 *

DEADLINE NOTE

The deadline for receipt of mandatory pre-proposals is 1 December 2009. Full applications, if invited will be due by 1 July 2010.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?05669

Astronomical Society of Australia

Program Number: 88723

Title: Bok Prize

E-mail: thill@museum.vic.gov.au

<<mailto:thill@museum.vic.gov.au>>

Program URL: <http://asa.astronomy.org.au/bok.html>

The sponsor offers an award to recognise outstanding research in astronomy by an Honours student at an Australian university.

Deadline(s): 01/02/2010 *

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?88723

McMaster University

Program Number: 99397

Title: SHARCNET Chair in Computational Epidemiology (Temporarily Suspended)

E-mail: math@mcmaster.ca

<<mailto:math@mcmaster.ca>>

Program URL:

http://www.math.mcmaster.ca/employment/job_detail.php?id=19

Temporarily Suspended: The Department of Mathematics and Statistics at McMaster University invites applications for the SHARCNET Chair in Computational Epidemiology. The sponsor is seeking applications from candidates at the assistant professor level, however exceptional candidates at the associate and full professor ranks

will also be considered; salary will be based on qualifications and experience. The anticipated starting date is July 1, 2009. Candidates should have a PhD, a proven research record in mathematical and computational epidemiology of infectious disease and a research program that will take advantage of SHARCNET's high-performance computing facilities.

Deadline(s):

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?99397

International Centre for Diffraction Data

Program Number: 73396

Title: Grant-In-Aid Program

E-mail: wolkov@icdd.com

<<mailto:wolkov@icdd.com>>

Program URL: <http://www.icdd.com/grants/index.htm>

The sponsor extends financial support to qualified investigators, in the form of grants-in-aid awarded on a competing proposal basis, for the preparation of reference X-ray powder diffraction data.

Deadline(s): 31/01/2010

31/07/2010

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?73396