

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 31
17 – 23 August 2007

SCHOOL SEMINARS

COSNet / SP3 SEMINAR

Monday 20 August 2007

4.00pm

“Plasma Thrusters and Double Layers”

by Professor Amnon Fruchtman

Holon Institute of Technology, Israel

Seminar Room Link Building

All Welcome

Refreshments will be provided in the Link Lounge Area before the Seminar

Plasma Seminar

Tuesday 21 August 2007

11.00am

“Alfven Wave Instabilities in Fusion Plasmas”

by Dr Raffi Nazikian, Princeton Plasma Physics

Laboratory

Seminar Room Link Building, RSPHYSSE

All Welcome

Dr Nazikian, an ANU graduate, will summarise recent progress in the understanding of Alfven waves excited by high energy ions in large scale fusion experiments worldwide, including the story of the discovery of instabilities driven by D-T fusion reactions. A central theme in this talk will be the importance of advanced diagnostic techniques in the discovery and eventual understanding of fusion driven Alfven wave instabilities important for ITER and future fusion reactors. Outstanding questions and future directions in the field will be discussed, particularly in relation to ITER.

EME SEMINAR

Wednesday 22 August 2007

2.00pm

“Real time visualization of Ge growth on naturally and artificially nanostructured Si surfaces”

by Professor Nunzio Motta, School of Engineering Systems Queensland University of Technology, Brisbane Queensland

Seminar Room Link Building, RSPHYSSE

COSNet SEMINAR / MSI SPECIAL COLLOQUIUM

Friday 24 August 2007

2:00pm

“Coordinate Transforms Underpin Multiscale Modelling and Reduction in Deterministic and Stochastic Systems”

by Professor Tony Roberts

Department of Mathematics & computing

University of Southern Queensland

Manning Clark Lecture Theatre 5

All Welcome

Afternoon tea will be provided at the MSI Common Room after the Seminar

STAFF MOVEMENTS

Professor Murray Batchelor, Department of Theoretical Physics, will be absent from 18 August - 2 September to participate in an Earth and Marine Sciences Field Trip to the Pilbara and Hamelin Pool, Western Australia. Professor Bouwknecht will be Acting Head during this period.

VISITORS

The Nonlinear Physics Centre would like to welcome visiting fellow, Professor Marek Trippenbach from the Department of Theoretical Physics, Warsaw University. He will be working with Professors Yuri Kivshar and Wieslaw Krolikowski and Dr Matuszewski on localized states in Bose Einstein Condensates.

CAMS/AMPL

Please join us in welcoming Allan Xiao. Allan started with CAMS today, and is here until mid November. Allan is a PhD student under the guidance of Dr James Sullivan, and will be located in Room C3.01

Dr Raffi Nazikian, of the Princeton Plasma Physics Laboratory is visiting PRL from 14-29 August for collaborations on Alfven Wave Instabilities.

GRANTS & AWARDS

Canadian Institute for Theoretical Astrophysics

Program Number: 72218

Title: Postdoctoral Fellowships

E-mail: office@cita.utoronto.ca

Program URL:

http://www.cita.utoronto.ca/index.php/working_cita/cita_postdoctoral_fellowships

The sponsor expects to offer several postdoctoral fellowships of two to three years duration this year. Funds will be available for travel and other research expenses.

Deadline(s): 15/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?72218

Canadian Institute for Theoretical Astrophysics

Program Number: 72219

Title: Senior Research Associates

E-mail: office@cita.utoronto.ca

Program URL:

http://www.cita.utoronto.ca/index.php/working_cita/cita_senior_research_associates_1

The sponsor expects to offer one or more senior research associate positions of three to five years duration. Funds will be available for travel and other research expenses.

Deadline(s): 15/11/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?72219

American Institute of Aeronautics & Astronautics

Program Number: 91148

Title: Aerospace Communications Award

E-mail: carols@aiaa.org

Web Site: <http://www.aiaa.org/content.cfm?pageid=289>

Program URL:

<http://www.aiaa.org/content.cfm?pageid=290>

The Aerospace Communications Award is presented for an outstanding contribution in the field of aerospace communications.

Deadline(s): 01/10/2007

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?91148