

Weekly Bulletin

Research School of Physical Sciences & Engineering

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5 – 11 September 2008

SCHOOL SEMINARS

Tuesday, 9 September 2008

12.30pm-1.30pm

Ross Hohnen Room, Ground Floor Chancelry
“Protect or Perish?”

Presented by Dr Scott Berggren, Principal –
Electrical Team, Spruson and Ferguson

The fundamental decision point in commercialisation is whether to hold off publishing your research in order to protect it. This is often the most difficult decision to take, as at the point of invention your picture of what your discovery means, who might be interested, and what is already out there will not always be clear. This seminar will draw from examples in providing tips on how to identify if your research is patentable, and what you should consider in following the protection now and the publishing later path.

Thursday, 25 September 2008

11.00am–11.45am

RSPHYSSE Seminar Room

“Technology Transfer at the ANU”

Presented by the Office of Commercialisation

The Office of Commercialisation provides a number of technology transfer related services to the ANU, with the objective of finding paths beyond traditional sponsored research funding to support ANU research with commercial potential. Members of the Office of Commercialisation Physical Sciences Team will present a short seminar on the support the Office provides in protecting and managing IP to facilitate research and commercial objectives; identifying and evaluating the commercial potential of research outcomes; and travelling the most appropriate path from research to technology transfer in the physical sciences.

Tom Hammond, Karen Jackson and Victor Pantano look forward to meeting or catching up with you there.

STAFF MOVEMENTS

Violaine Vizcaino (CAMS/AMPL) will be leaving the School next week to return to France. Violaine has completed her PhD studies in the School and her thesis is in the final stages of examination. We all wish her a fond farewell and good luck in the future.

Professor Keith Fifield, Dr Steve Tims and Dr Toshi Fujioka from the Department of Nuclear Physics will be attending the 11th International Conference on Accelerator Mass Spectrometry in Rome, Italy from 14 – 19 September. While in Europe, Professor Fifield will also attend, as an invited speaker, the Symposium “30 Years of AMS in Zurich” in Switzerland and will visit the Oxford Radiocarbon Laboratory in the UK. Professor Fifield will be back on 27 September, Dr Tims on 25 September and Dr Fujioka on 29 September.

Dr Tibor Kibédi also from the Department of Nuclear Physics will be away from 6 – 13 September. During this time Dr Kibédi will be presenting an invited talk at the First International Ulaanbaatar Conference on Nuclear Physics and Applications being held in Mongolia.

VISITORS

The Nonlinear Physics Centre would like to welcome back Mr Bernd Terhalle. Bernd is a visiting PhD student from Westfälische Wilhelms-Universität Münster, Germany. He will be working with Dr Anton Desyatnikov, Professors Wieslaw Krolikowski and Yuri Kivshar on discrete vortices and solitons in photonic lattices.

Professor Ashild Fredriksen from the University of Tromsø, Norway will be joining the Space Plasma, Power and Propulsion Group as a Visiting Fellow until the end of November. During this time, Professor Fredriksen will undertake collaborative research on double layers and their applications to space plasmas (such as the beautiful aurorae in Tromsø) and plasma thrusters.

SCHOOL VISIT

On Monday 1 September Dr Ilya Shadrivov and Dr David Powell gave a lecture to two classes of year 10 students at Canberra Grammar School. This talk discussed metamaterials, negative refraction and electromagnetic cloaking, and related it to the material on light, refraction and waves which they had been learning in science class. The students were quite enthusiastic about this topic and asked many insightful questions.

A NEW BOOK “DISSIPATIVE SOLITONS”

A new book, ‘Dissipative Solitons: From Optics to Biology and Medicine’, edited by school members Professor Nail Akhmediev and Dr Adrian Ankiewicz (Optical sciences group), has been published this week by Springer. It covers principles and applications of dissipative solitons in diverse areas, especially nonlinear optics. It has also just been announced that a Russian language version will be published in Moscow after agreement between Fizmatlit and Springer publishers.

<http://www.springer.com/physics/optics/book/978-3-540-78216-2>