

MATHEMATICS AND STATISTICS

NEWSLETTER

March 2002

CONGRATULATIONS

- to Alan Cairns who is a co-investigator in a project which has just been approved for funding in the first round of the Basic Technology Research Programme which is run jointly by the various Research Councils. The project in which Alan is involved is led by Dr Dino Jaroszinsky of Strathclyde University and also involves researchers from Rutherford Appleton Laboratory, Daresbury Laboratory, Imperial College, Oxford and Abertay. The project is entitled *Developing laser-plasma accelerators and coherent radiation sources as tools for time-resolved studies* and aims to demonstrate the feasibility of using a short pulse laser to accelerate electrons which will then produce short coherent X ray bursts in a free electron laser. The ultimate object is to produce a small scale device which could be used for time resolved studies of chemical reactions or biological processes. Alan will be part of a group providing theoretical support to the project.
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WELCOME

- to Rim Turkmani who is a PhD student from Gothenburg in Sweden. She is working on the effect waves have in the acceleration of the solar wind using numerical MHD. She will be working here in the Solar Group for the next three months supported by a TRACS fellowship from the Edinburgh Parallel Computing Center.
- to Elena Nagornykh from Altay State University, Barnaul, Russia who is currently visiting the Solar Group. Elena works on acceleration of relativistic particles in solar system plasmas and will give a seminar on March 13 about her research.

NEWS

- Paul Wood attended the RAS discussion meeting on *High Energy Solar Radiation with HESSI* in London on March 8th.
- Colin Campbell has become the representative of the Edinburgh Mathematical Society on the Joint Mathematical Council of the United Kingdom.

- Peter Jupp gave a talk on *Some aspects of quantum statistical inference* at the workshop on Quantum Physics and Stochastics at Aarhus University on 28th February.
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SEMINARS

- Solar Group Seminars (Math. Rm 3B - 1.30pm)
 - Wednesday 13 March: Elena Nagornykh (Altay State University, Russia), *Stochastic acceleration of relativistic particles in solar system plasmas*
 - Wednesday 20 March: Francois-Xavier Bocquet
 - Wednesday 27 March: Chris Mellor
- Statistics Seminars (Math. L.Th.D - 4pm)
 - Monday 11 March: Dr. Panagiotis Besbeas (University of Kent at Canterbury) *Integrated Monitoring of Wild Animal Populations*
 - Monday 25 March: Prof. Ken Newman (University of Idaho, USA and Centre for Conservation Science, St Andrews) *Extra-Variation in Multinomial Models for Release-Recovery Data*
 - Monday 22 April: Prof. Malcolm Faddy (University of Birmingham) *Discrete Data Modelling and Analysis*

PRESS OFFICE REQUEST

The University Press Office has requested that I bring the following to your attention...

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- Emergence of research findings/significant discoveries which can be put into the public domain;
- Formal notification that your research findings are to be published (it may be that we can generate publicity to coincide with publication);
- Receipt of formal notification of grants, large or small;
- News of new collaborations (eg. with other Universities or commercial organisations) which can be put into the public domain;
- Forthcoming lectures/conferences at which your research findings may be announced or at which high-profile speakers are taking part.

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NEXT ISSUE

Please send any material for the next newsletter to mcsnews@mcs by 12pm Thursday 4th April.