

Pentland Systems have taken on the VMEbus analogue and digital I/O board business of Burr-Brown, and are not only supporting existing hardware, but are developing the product range.

The presentation will include a profile of the company, a presentation of the distribution and support arrangements, and an overview of their products. In addition a number of case studies will be presented outlining requirements for real-world signal interfaces and associated techniques.

A demonstration of Pentland products will also be made.

Organizer : Chris Parkman /CN,
pmn@cernvm.cern.ch

** Please note unusual place*

The Conventional Wisdom is that the experimental solar neutrino flux is significantly much less than the theoretical flux. Evolutionary models of the Sun, e.g. the so-called Standard Solar Model, SSM and their errors and assumptions, are discussed. Results of helioseismology and consequent models of the sun are presented. Results from Kamiokande, Chlorine and Gallium experiments are discussed in detail. It is concluded that there is at present no significant disagreement between experiments and theories with realistic errors. Possible variations of the neutrino flux with the sunspot cycle are discussed.

*** Tea & coffee will be served at 16.00 hrs**

Thursday 23 May

PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Solar neutrinos – review of theories and experiments

by Douglas R. O. MORRISON / CERN

TRAINING AND EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844-3674

13, 14 & 15 May

11.00 to 12.00 hrs – Auditorium

Plasma Physics in the Solar System

by G. WIBBERENZ / Kiel University

Lecture 1 : **The Sun and the interplanetary medium**

Lecture 2 : **Planetary magnetospheres**

Lecture 3 : **Energetic particles into the heliosphere**

The lecture series will start with some fundamental principles of cosmic plasma physics. The main topics will deal with the sun, the interplanetary plasma, planetary magnetospheres, and energetic particles in the solar system. This includes the role of the sun in forming the heliosphere; manifestations of solar activity and the solar cycle, from large scale structures of the interplanetary medium to climatic changes; formation of planetary magnetospheres by interactions between the solar wind and planetary magnetic fields; the diversities of charged particle acceleration, in particular the role of collisionless shocks in the solar system. Some specific space projects exploring the heliosphere will be presented.

ENSEIGNEMENT GENERAL

Tél. 5811 ou 2844 (le matin)

Jeudi 16 mai

de 13.00 à 13.30 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS