

Thursday 26 November

PRESENTATION

at 10.00 hrs – DD Auditorium
bldg 31, 3-005

The New MicroVAX 3000 Series

by J.-M. LUGRIN / Digital Equipment Corporation, Geneva

Presentation of the new microVAX family, the 3500/3600 and 3602. There will be a general presentation of all members of the family, including general performance figures, configuration guidelines and the differences between a server and a general-purpose machine. Some topics of special interest to CERN will be included : connection of external devices, external drives and rack mounting.

DECNET System Services

by P.-J. PRALONG / Digital Equipment Corporation, Geneva

DECNET System Services is a new series of networking products which provide users with an environment that makes a network of systems appear to be a single system for many key functions. The first four DSS products (or programs) are :

- *VAX Distributed Files Service : offers high performance network-wide file operations*
- *VAX Distributed Queueing Service : provides easy use and management of networking printing resources*
- *VAX Distributed Name Service : provide management and use of a network-wide name space.*

Other new products will be presented, including a new RSX emulation board for QBUS based machines.

Lundi 30 novembre

SEMINAIRE EF

à 11.00 h – Salle de conférence EF
bât. 13, 2-005

La simulation : mais c'est très simple! or CAE : it's elementary my Dear Watson!

par F. BOURGEOIS / CERN-EF

En électronique, la simulation est le préalable indispensable à la réalisation et au test des circuits intégrés digitaux (ASICs ou autres). L'orateur montrera qu'il en est de même pour les circuits digitaux usuels et comment son utilisation peut réduire le nombre des prototypes tout en assurant une meilleure documentation et une bonne gestion des projets. Le séminaire sera donné en français... sur des transparents et avec un vocabulaire technique anglais.

Monday 30 November

EP SEMINAR

at 16.30 hrs – Auditorium

The hyperon beam proposal at UNK

by A. VOROBYOV / LNS, Leningrad, USSR

Wednesday 2 December

PS SEMINAR

at 11.00 hrs – PS Conference Room
bldg 6, 2-024

Field and Q_0 limitations for RF cavities built from conventional new high T_c superconductors

by G. MÜLLER / University of Wuppertal, West Germany

Wednesday 2 December

LEP SEMINAR

at 14.30 hrs – LEP Auditorium
bldg 30, 7th floor

Synchrotron radiation background to LEP experiments

by G. von HOLTEY / CERN-LEP

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

SCIENCES AUJOURD'HUI

Mardi 1er décembre

LES SCIENCES AUJOURD'HUI

à 20.00 h précises – Amphithéâtre
jusqu'à environ 22.00 h
par R. CARRERAS

Rafel Carreras, responsable du programme d'Enseignement général au CERN, commentera et expliquera un choix d'articles parus récemment dans les revues scientifiques, et qui couvrent l'ensemble des sciences physiques et biologiques ainsi que certains aspects des relations science-société. Une attention particulière est portée au langage et aux notions utilisés afin que les explications et les commentaires soient accessibles aux personnes n'ayant pas de formation scientifique.

Entrée libre.

(Please note that the lecture will be given in FRENCH)

Service des Relations publiques
Tél. 2722

ENSEIGNEMENT GENERAL Tél. 2844

Jeudi 26 novembre

de 13.00 h à 13.30 h – Amphithéâtre
Science pour tous
par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

23, 24 & 25 November

11.00 hrs to 12.00 hrs – Auditorium

Introduction to vector processing

by H. LIPPS / CERN-DD

1 & 2 December

11.00 hrs to 12.00 hrs – Auditorium

The solar neutrinos problem

Dark matter in the Universe

by E. SCHATZMAN / Observatoire de Nice

The first predictions, thirty years ago, of an easy detection of the neutrinos produced by the Sun, led to a large and difficult experiment, with the result that the solar neutrinos flux, produced by the decay of boron 8 is three to four times smaller than expected. The lecture will describe the basic ingredients of a solar model, the reliability of the discrepancy, the test of the models by heliosismology, and the possible explanations of neutrinos deficiency (including the Mikheyev-Smirnov-Wolfenstein effect). New experiments are in view, especially the European project Gallex (detection of the neutrinos from the p-p reaction with 30 tons of gallium). The mass to luminosity ratio in the Universe seems, at first look to depend on the size of the system. The methods for measuring the mass to light ratio are described, the need for a careful analysis is presented, the possible meaning of the results is given; this includes dynamical methods and indirect methods like the primordial nucleosynthesis, and theories of galaxies formation.

INFORMATICS TUTORIAL 1987-3

Announcement

Lecturer

René BRUN / CERN-DD

Title

PAW, the Physics Analysis Workstation

Dates

Series 1 : Tuesday 15 and Wednesday 16 December

Series 2 : Thursday 17 and Friday 18 December

Subject

PAW is conceived as an instrument to assist physicists in the analysis and presentation of their data. It provides interactive graphical presentation and statistical or mathematical analysis, working on objects familiar to physicists like histograms, event files (n-tuples), vectors, etc.

PAW is intended to be useful to any physicist with minimal notions of computing, at least at the basic level of usage. It requires, in principle, no long learning phase

before getting started. Simultaneously, it is thought to become a powerful and efficient tool in the hands of a more experienced user, with practically limitless extension possibilities through added programs at the FORTRAN level. PAW is primarily intended to be the last link in the analysis chain of experimental data. It may conceivably also be used as a data presentation package in a data acquisition environment. It has, therefore, access facilities for experimental data, if these have been formatted by the popular package HBOOK, or for any FORTRAN data.

The PAW environment includes the following packages :

- HBOOK4 : a new version of the histogramming package
- HPLLOT5 : a new version of the graphics package of HBOOK
- HIGZ : a high level interface to GKS
- KUIP : a user interface system (command mode and menus)
- COMIS : a Fortran interpreter
- SIGMA : an array manipulation language
- ZEBRA : a data structure management system

At present the PAW system is running on APOLLO workstations, VAXes and on the IBM VM/CMS.

Registration

The two series of two day lectures will be devoted to hands-on experience with the PAW system. Examples on how to use PAW on various computer systems and workstations will be given. The number of participants will be limited to 20 for each series. If you are interested in attending please send an electronic mail message to

INFOTUTO@CERNVM

Lecturer

René Brun is a Senior application programmer in the User Support group, Data Handling division. Physicist by education, he has a long experience in writing large software tools for data analysis. He is one of the main authors of packages like GEANT, HBOOK, HPLLOT, ZBOOK, ZCEDEX and ZEBRA.

INFORMATIONS

GENERALES

GENERAL INFORMATION

SERVICE MEDICAL

Le Service médical vous remercie de ne pas favoriser d'une manière ou d'une autre l'élevage et la prolifération des chats sur le site du CERN. En effet, récemment une de ces bêtes est allée mourir dans un caniveau difficilement accessible du bâtiment 378 et a ainsi répandu des odeurs pestilentielles dans la salle de contrôle MCR du PS et le hall sud. Ces animaux non contrôlés, sauvages, constituent un vecteur de maladies infectieuses et font en outre courir à nos collègues des risques inutiles et des désagréments certains. Il est donc inutile de favoriser leur multiplication.

Dr E.P. Maquet
Service Médical