

4. *High precision TV-Camera and Video Frame Memory System for Image Processing.*

Technical discussion of Photon Detector and/or Processing with experts of R & D Division from HAMAMATSU PHOTONICS is possible at the same time and place as above mentioned.

Language : English

Information : M. Diraison / FI / 4585

Thursday 3 November

PRESENTATION

at 14.00 hrs – DD Amphitheatre (bldg. 31, 3rd fl.)

Data General : graphic environment tools

by R. VON FELTEN / Data General SA, Lausanne

Data General SA will present their graphic environment tools. This includes the 'Graphic Expert Work Station' GW/4000 based on a MV/4000 computer and a high resolution (1200 × 1000) CRT display. The GW/4000 is designed for CAD/CAM applications. Data General will also present their new range of personal computers, the 'Desktop Generation' DG/10 for medium resolution graphics requirements. Software presentations will cover a GKS graphics standard implementation, networking software (IEEE 802 and X.25) and the 'Independent S/W vendor (ISV)' programme through which Data General is hosting CAD application programs.

Thursday 3 November

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

The second law of thermodynamics as a symmetry-breaking principle

by I. PRIGOGINE / Université libre de Bruxelles

* Tea and coffee will be provided at 16.00 hrs.

Monday 7 November

EF SEMINAR

at 11.00 hrs – EF Conf. room (bldg. 13, 2-005)

PRIAM – The CERN Interdivisional Project for Microprocessor Support

by D.O. WILLIAMS / CERN-DD

As a result of the 'Final Report of the Steering Committee for Microprocessor Standardization' an interdivisional project has been set up. The recommendations of the Steering Committee included the use of the MC6809 processor and G64 bus for 8-bit applications; the use of the MC68000 processor family and VMEbus for 16/32-bit applications; as a first step the provision of cross-software tools on a Vax-11/780 computer running the Unix operating system; the subsequent acquisition of workstations based on the combination of 68000, VMEbus and Unix. The present status of the PRIAM project will be reviewed and likely future developments will be discussed.

Monday 7 November

EP SEMINAR

at 17.00 hrs – Auditorium

Di-jet cross-sections in pp and π p collisions at Fermilab

by T.H. FIELDS / Argonne National Laboratory

Tuesday 8 November

PRESENTATION

at 09.30 hrs – bldg. 73, room 2-027

Exhibition of electronics products

by LeCroy Research Systems

Wednesday 9 November

PRESENTATION

at 10.00 hrs – DD Amphitheatre (bldg. 31, 3rd fl.)

The Modula Computer : A tool for software engineering

by Dr. Leo GEISSMANN / DISER SA, Zurich

Wednesday 9 November

CAS ACCELERATOR SEMINAR

at 14.30 hrs – LEP Auditorium (top fl. of bldg. 30)

Limitation of beam currents

by synchro-betatron resonances

by Dr. A. PIWINSKI / DESY

Thursday 10 November

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

Physics with antiprotons at LEAR

by K. KILIAN / CERN

TRAINING AND

EDUCATION

ENSEIGNEMENT

ENSEIGNEMENT GÉNÉRAL Tél. 2844

Jeudi 3 novembre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous –

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844

3, 4, 10 and 11 November

at 11.00 hrs – Auditorium

High-energy physics after the discovery of the W and Z particles

Where do we stand? Where do we go?

by L. VAN HOVE / CERN

Four lectures

7, 8 and 9 November

at 11.00 hrs – Auditorium

Monopoles

by P. MUSSET and D. NANOPOULOS / CERN

The concept of the magnetic monopole will be introduced and followed through the historical development of physics. Relations with gauge invariance will be underlined. The properties of monopoles will be described, in relation with the detection methods. The existence of monopoles in grand unified theories will be demonstrated and their mass scale will be related to the scale of the grand unification breaking. After creation in the big bang, their fate during the evolution of the Universe will be described. Estimates of the density of monopoles in the Universe will be given. Existing experiments sensitive to grand unified monopoles, as well as experiment in project, will be reviewed. In particular, induction and ionisation techniques will be discussed.

ACADEMIC TRAINING

The participants to the lectures on 'An elementary course on general relativity' given in May 1983 by T. REGGE are informed that a Yellow Report (CERN 83-09) has now been published and is available from the self-service shelf outside the Main Library. When this display of 250 copies will run out, the Report may be obtainable from SIS/DOC.

ENSEIGNEMENT

COURS EXTERIEURS

L'Institut de Microtechnique de l'Université de Neuchâtel annonce des cours donnés dans le cadre du programme universitaire 1983/84 et ouverts aux collaborateurs de l'industrie et aux particuliers désirant compléter et renouveler leur formation.

Cours : OPTIQUE MODERNE

Enseignant : R. Dändliker

Horaire : le mercredi de 15.15 h à 17.00 h.

Cours : OPTIQUE COHERENTE

Enseignant : R. Dändliker

Horaire : le jeudi de 15.15 h à 17.00 h

Optique cohérente spatiale : holographie, filtrage optique et corrélation, speckles, interférométrie holographique et photographie de speckles.

Optique cohérente temporelle : transmission d'information par voie optique fibres optiques, optique intégrée.

Cours : MICRO-ELECTRONIQUE

Enseignant : H. Oguey

Horaire : le jeudi de 08.15 h à 10.00 h

Cours : SENSEURS MINIATURISES
ET INTEGRES

Enseignant : N.F. de Rooij

Horaire : le vendredi de 15.15 h à 17.00 h

Effets chimiques et physiques observés dans le silicium en vue de leur utilisation dans les capteurs miniaturisés au Si pour convertir différentes formes d'énergie (rayonnante, chimique, thermique, magnétique, mécanique) en un signal électrique.

Cours : APPLICATIONS DES SENSEURS
EN MICROTECHNIQUE

Date : 1^{er} trimestre 1984.

Pour toutes informations supplémentaires, veuillez téléphoner au n° (038) 24 60 00.

INFORMATIONS

GENERALES

GENERAL INFORMATION

REINTEGRATION – Sécurité sociale française

La prochaine permanence de la Sécurité sociale française aura lieu

jeudi 3 novembre de 09.30 h à 11.30 h

salle de conf. n° 2, Dépt PE, bât. 5, 1^{er} étage

Les personnes intéressées sont priées de prendre rendez-vous en téléphonant au Secrétariat de la Section des Affaires sociales (tél. 4201).

Section des Affaires sociales
Département du Personnel

PROCHAIN CONCERT

Vendredi 11 novembre 1983 à 20.00 h précises

Amphithéâtre

Dès à présent n'oubliez pas de réserver votre soirée pour assister au récital du pianiste

François-Joël THIOLLIER

cet étonnant musicien qui nous avait laissé une extraordinaire impression lors de son passage au CERN pour remplacer CICCOLINI au pied levé.