

CONSEIL D'ADMINISTRATION DE LA CAISSE DE PENSIONS

GOVERNING BOARD OF THE PENSION FUND

Le procès-verbal de l'Assemblée générale annuelle des membres et bénéficiaires de la Caisse, qui s'est tenue le 24 septembre 1991, est disponible dans les secrétariats de division. Les bénéficiaires de pension peuvent obtenir ce document en s'adressant directement à l'Administration de la Caisse, tél. (767)27 38.

The minutes of the Annual General Assembly of the members and beneficiaries of the Fund, which was held on 24 September 1991, is available at division secretariats. Pension beneficiaries can obtain this document directly from the Administration of the Fund, tel. (767)27 38.

SEMINARS SEMINAIRES

Monday 9 December

PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

Economic VMEbus Solutions on Single Height
by PEP Modular Computers GmbH

Pep will present a broad range of economic CPUs and communication modules, all running under OS-9, as well as a new technology to boost the performance of the VMEbus. The presentation will include an introduction to PEP, an overview of their products both hardware and software, as well as a discussion of 'Autobahn', a new technology to achieve 400 Mbyte/s transfers on a VMEbus backbone.

Information : Chris Parkman / ECP

Tuesday 10 December

TECHNICAL PRESENTATION

09.30 to 17.00 hrs – bldg 6/2-004

LeCroy Corp. of New York + Geneva, will exhibit the new products from their range of fast Data Acquisition Instruments and Digital Oscilloscopes : FASTBUS equipment includes the 1875, 25pS High Resolution TDC, and a new subnanosecond, multihit TDC, model 1877. Its companion 32-ch. module is the CAMAC 2277.

The VME instrument range offers a 16-ch., 32 bit, preset Scaler and an 8-ch. charge ADC. A Bidirectional Interface will be shown with the new HV System Processor and 5.6 kV Programmable Supply.

MICROCIRCUIT COMPONENTS include low noise preamplifiers for silicon strip and wire calorimeter readout and the new 8-ch., multihit TDC monolithic.

DIGITAL OSCILLOSCOPES with our now familiar SMART triggering can make precision measurements with 10 bits at 100 MS/s into long memories and offer performance at modest cost. You will find them always friendly with that comfortable front panel and large, crisp display.

The New York high speed DSO is now provided with a 2 GS/s adaptor and faster FFT and Averaging functions with a variable Persistence display. A new 4-ch. plug-in can show our 300 MHz Modular PULSE GENERATOR to advantage.

Languages : English, French, German, Italian

Information : M. Diraison / FI / 4585

Tuesday 10 December

PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

DIGITAL's new PC strategy

by Hans DERKSEN, Dominique LUX & Dominique PITTET / Digital

Digital will present its wide range of PC offerings, from palmtop through high performance graphics PCs to multiprocessor 486 servers, all at very interesting prices. These PCs are designed by Digital to be integrated best possibly into the enterprise network. Thereafter, Digital's PATHWORKS architecture for integrating PC's and Macintoshes with VMS or Unix servers will be described. There will also be a demonstration of some of the PATHWORKS products.

Hans DERKSEN is Digital's Marketing Manager Europe for PC and PC-related products.

Dominique LUX and Dominique PITTET are consultants at Digital's Application Centre for Technology in Geneva. They are both specialized in PC integration.

Information : George Shering / DG

Tuesday 10 December

PRESENTATION

at 14.00 hrs – PS Auditorium
bldg 6/2-024

Presentation of some new optical measurement techniques : Strain analysis, deformation / vibration analysis, non-destructive testing

by Eiolf VIKHAGEN / SINTEF – The Norwegian Inst. of Technology

Two measurement systems will be presented and demonstrated: TV-HOLOGRAPHY and SHEAROGRAPHY. With these methods, deformations, vibrations and strain can be measured with very high accuracy. These systems can also be used for non-destructive testing, and a new software system developed for this application will be presented. A new optical strain sensor will also be presented. This sensor is mounted on the object surface and is illuminated by a laser.

Eiolf Vikhagen will be staying at CERN for 2 weeks from Monday 2 December as a technical visitor. His main interest is development of techniques and systems for metrology measurements (deformations, positioning, strain, etc.).

Information : Melvin Ellefsplass / MT-ESH / 4789

Wednesday 11 December

PRESENTATION

at 10.00 hrs – CN Auditorium
bldg 31/3-005

Diagnostic Assistant : a G2 Real-Time Expert System Product

by Gensym

This presentation will discuss and demonstrate the Diagnostic Assistant, a package for on-line real-time monitoring, alarm management, fault diagnosis, and sensor validation for dynamic systems. It is suited for monitoring tests and experiments of electrical, chemical and biological processes, and was developed using the G2 Real-time Expert System. It includes a real-time inference engine, simulator, structured natural language interface, built-in graphics and on-line data server of real-time data sources.

Information : M. Sendall / ECP

Wednesday 11 December

COMPUTING SEMINAR

at 16.00 hrs – CN Auditorium
bldg 31/3-005

From Megabit to Gigabit : transition scenarios

by François FLUCKIGER / CERN/CN-CS

This seminar is a follow-on of Brian Carpenter's presentation on Gbit/s technologies and issues, and aims at integrating these notions into possible transition scenarios, focussing on wide area communication aspects. Through what steps to improve by two orders of magnitude the transfer rate of

scientific data? How to introduce modern tools for remote cooperative work such as LAN telephony, audio and video conferencing, remote lecturing or shared workstation windows? Which role, and by when, for TDMs, Fast Packet Routers, Frame Relay, DQDM/SMDs, ATM? And what about CERN in all that? These are examples of questions tackled by the talk which also aims to bind theory and practice by presenting performance results, sometimes amazing, drawn from CERN's operational environment.

Organizer : N. Cremel / CN

Thursday 12 December

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

Is there evidence for gluonium from charmonium decay ?

by Clemens HEUSCH / University of California at Santa Cruz

* Tea & coffee will be served at 16.00 hrs

Vendredi 13 décembre 1991

JOURNÉE DE L'ENVIRONNEMENT

de 9h00 à 11h00 – Amphithéâtre

Dans le cadre de sa journée de l'ENVIRONNEMENT, l'ISEFP présente les exposés suivants :

Influence en mer des pollutions métalliques provenant du bassin versant du Rhône

by M. AUBERT / Directeur du C.E.R.B.O.M.

Collecte des effluents liquides, cas de l'industrie du décolletage, contrats de rivières

by M.M. MEYLAN / Député de Haute-Savoie

Réutilisation des eaux résiduaires urbaines

by M. JOSEPH / Ingénieur CNRS représentant V.E.R.S. eau

Entrée libre

En outre, les personnes intéressées par la suite de la journée : Ateliers, déjeuner, débats et exposés, peuvent s'inscrire auprès de l'ISEFP (Institut Supérieur Européen de Formation et Perfectionnement) Pays de Gex (tél. 50 20 61 94 - FAX 50 20 60 55).

Participation aux frais : 300.- FRF TTC (ou CHF 75.-) couvrant le coût du repas et du dossier d'accueil. (Programme à disposition)

Monday 16 December

PRESENTATION

at 11.00 hrs – CN Auditorium
bldg 31/3-005

DataWave – a single chip multiprocessor
by ITT / Intermetall, Freiburg, Germany

ITT Intermetall's DataWave processor is a MIMD multiprocessor system on a single chip. Each DataWave processor consists of 16 identical processor cells which are layed out as a matrix and are individually programmable. Each cell is a pipelined super-scalar RISC processor. It communicates with its four nearest neighbours using one of eight data-driven asynchronous parallel ports. On a chip level these ICs can be cascaded in one or two dimensions. The maximal computing power of a 16 cell array is 4 GOPS. The maximal data transfer rate is 750 MBytes/s. The DataWave processor employs a data-flow principle: the local availability of data drives the processor element, not a global master clock. This implementation doesn't force the programmer to maintain global synchronism, but let him manage a complex parallel system. Some implementations of applications (JPEG, SECAM) will be given to illustrate how to map an algorithm onto an array of DataWave cells. Some cell programs of these

applications will be discussed in order to demonstrate the opportunities and difficulties in programming the DataWave processor.

Information : W. Jank/ECP

Tuesday 17 December

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

Field equations of massive gravity and their physical consequences

by A.A. LOGUNOV / Moscow State University & IHEP, Protvino

Wednesday 18 December

PRESENTATION

at 14.00 hrs – CN Auditorium
bldg 31/3-005

Presentation of NCR-3125 Electronic NotePAD computer

TRAINING AND EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844

9, 10, 11 & 12 December

11.00-12.00 hrs

9, 11, 12 December – Auditorium

10 December – Council Chamber

Standard Model physics at LHC
by D. DENEGRI / CERN-PPE

16, 17 & 18 December

Monday 16 & Tuesday 17 : 10.30-12.00 hrs – Auditorium

Wednesday 18 : 11.00-12.00 hrs – Auditorium

LHC – Physics beyond the Standard Model
by F. PAUSS / ETH Zürich & CERN-PPE

Physics beyond the Standard Model will be discussed in the context of possible experimental signatures at the LHC. This includes the following physics topics: Supersymmetry (the Higgs-sector, the gluino-squark sector, possible extension of the MSSM), Heavy Vector Bosons and alternative symmetry breaking mechanisms. The impact on the design of the detectors will be briefly discussed as well.

ENSEIGNEMENT GENERAL

Tél. 5811

Jeudi 12 décembre

de 13.00 à 13.30 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

Dernière séance de l'année.

Reprise des conférences le 9 janvier.