

SEMINARS

SEMINAIRES

Monday 7 and Tuesday 8 October

CONFERENCE VMEbus IN PHYSICS

09.00 to 12.30 hrs and

14.00 to 18.00 hrs – Auditorium

Aims :

- to survey hardware and software applications of the VMEbus standard in physics, with special emphasis on Particle Physics and Accelerator Control;
- to discuss developments in the definition of the standard;
- to inform manufacturers about the needs of the fast growing VMEbus market in the physics community.

Please note that more than 280 participants will attend the Conference, therefore long queues in the Coop Restaurant are probable.

Mardi 8 octobre

PRESENTATION TECHNIQUE

de 09.30 à 12.00 h et de 13.00 à 16.00 h

Bus, parking bât. 867, site de Prévessin

BRÜEL & KJAER FRANCE (DK) propose en exposition / démonstration le matériel suivant : instruments et capteurs pour la mesure, l'analyse, l'enregistrement, la surveillance, dans les domaines de l'acoustique, des vibrations, de l'équilibrage, du traitement du signal et des mesures thermiques et d'éclairage.

Vous découvrirez plus particulièrement :

- analyseurs de Fourier bicanal pour l'étude des réponses en fréquences, fonctions de transfert, analyse modale, analyse de systèmes mécanique, acoustique ou électronique;
- intensimètre pour la mesure de la puissance sonore, et la recherche des sources de bruit;
- sonomètres, indicateur d'ambiance thermique, mesureur de contraste de luminance, luminancemètre, analyseur statistique pour l'étude et l'amélioration de l'environnement et pour la médecine du travail;
- mesureur et analyseur de vibration, stroboscopes, pour la maintenance et le suivi des machines industrielles;
- chaîne d'excitation en vibration pour l'étude des systèmes mécaniques, comportement des structures, fatigues;
- nouvelle gamme d'accéléromètres;
- exciteur de poche pour l'étalonnage des accéléromètres.

Langues : français (+ anglais si nécessaire)

Renseignements : M. Diraison / FI / 4585

Wednesday 9 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

Aspects of quantization of anomalous theories

by E. RABINOVICI / Jerusalem and CERN

The requirement of the absence of various types of anomalies leads to quite stringent conditions on allowed field theories. Various attempts to circumvent these

constraints are discussed. Explicit examples are worked out in two dimensions.

Wednesday 9 October

LEP SEMINAR

at 14.30 hrs – LEP Auditorium

(Bldg 30, 7th floor)

First test of a complete 50 MV RF unit including a string of 16 cavities and two klystrons

by G. GESCHONKE / CERN-LEP

One complete LEP main ring RF station has been built, modelling the layout in the accelerator and klystron tunnels. Testing of the unit with RF power has started and measurements on the behaviour of the RF power generation and distribution system as well as the cavity tuning were done. The assembly, adjustment and RF conditioning of individual cavities will be described, followed by a presentation of results from the first test runs of the complete unit.

Wednesday 9 October

DD SEMINAR

at 16.00 hrs – DD Auditorium (Bldg 31, 3rd floor)

FORTRAN 8X – The gathering storm

by M. METCALF / CERN-DD/EE

The X3J3 committee, responsible for formulating new FORTRAN standards, is currently putting the finishing touches to a document which it intends to become a draft standard for public comment. The purpose of this seminar is not only to give a (too) brief overview of the technical content of the document, but also to anticipate some of the arguments which will be used in the coming months to support or to attack the work of the committee.

Wednesday 9 October

EP SEMINAR

PLEASE NOTE UNUSUAL DAY

at 16.30 hrs – Auditorium

Micro vertex detection and heavy flavour physics using scintillating optical fibres

by P. HUGHES / Rutherford Laboratory

The development of high rate high resolution tracking systems using scintillating optical fibres will be described. A possible arrangement for heavy flavour fixed target physics will be presented and an application to collider systems evaluated. Technical progress in the development of Ce^{+++} doped glass systems at CERN will be reported.

Thursday 10 October

VAX 8600 USERS MEETING ON NETWORKS

at 09.30 hrs – Auditorium

Each network will be covered in a 15 minute presentation including a short description of the network, an idea of which kind of other nodes are accessible, a list of services offered, and how to get started.

Proposed agenda :

INTRO	<i>Giorgio Heiman (overview of some of the keywords to be used)</i>
CERNET	<i>Alan Silverman</i>
DECNET	<i>Alan Silverman</i>
X25	<i>Giorgio Heiman</i>
UWIST	<i>Wisla Carena</i>
GIFT	<i>Giorgio Heiman</i>
EAN	<i>Denise Heagerty</i>
EARN	<i>Fabrizio Gagliardi</i>
TCP/IP	<i>Ben Segal</i>
AI program	<i>Giuseppe Mornacchi (program to offer help to a user in simple terms).</i>

Users are urged to submit questions in advance to Alan Silverman. Please mail any questions to SYSTEM or ALAN on VXCRNA. We intend to compile the contents of this seminar into a simple Networks User Guide.

Jeudi 10 octobre

PRESENTATION TECHNIQUE

de 10.30 à 12.00 h et de 13.30 à 16.30 h
Parking PTT, bât. 63

METTLER (CH) propose en exposition / démonstration

- 1. Balance électronique semi-micro
Application : recherche et laboratoire d'analyse*
- 2. Balance électronique de précision
Application : recherche, analytique, petite production, comptage de petites pièces.*
- 3. Balance électronique industrielle
Application : pesage au contrôle à l'arrivage, production, préparation de grandes quantités de matière, éventuellement pour comptage de grosses pièces.*
- 4. Appareils de titration pour laboratoires de chimie, recherche ou analytique
Application : détermination de pH et pX, manuelle ou automatique, détermination de point final avec ou sans enregistrement, calcul automatique, mémorisation du procédé de titration, détermination de l'eau selon Karl-Fischer.*

Langues : allemand, anglais, français
Renseignements : M. Diraison / FI / 4585

Friday 11 October

CERN PARTICLE PHYSICS SEMINAR

PLEASE NOTE UNUSUAL DAY

at 16.30 hrs – Auditorium*

Results from the Anomalous Single Photon (ASP) Collaboration at PEP

by M.J. JONKER / SLAC

A search has been made for events which have only a single photon within the almost 4π coverage of the apparatus. The data are used to set limits on the number of light neutrino species and, in the context of supersymmetry (SUSY) theories, is interpreted as setting simultaneous limits on the masses of the selectron and photino.

* Tea and coffee will be provided at 16.00 hrs.

Monday 14 October

EF SEMINAR

at 11.00 hrs – EF Conference Room

Development of calorimeters using thin chambers operating in a high-gain mode

by G. MIKENBERG / Weizmann Institute
Rehovot, Israel

A new type of thin multiwire proportional chamber detector operating in a high-gain mode has been developed and its characteristics optimized for calorimetric use. The detectors are thin (6.6 mm), can cover large areas (0.7 m² in the case of OPAL) and have induced pad readout. Output pulses require no amplification. Ten detectors have been tested in a hadron calorimeter environment. The results are compared with Monte Carlo simulations.

Monday 14 October

LEP SEMINAR

PLEASE NOTE UNUSUAL DAY

at 14.30 hrs – LEP Auditorium
(Bldg 30, 7th floor)

Collision monitoring by means of beamstrahlung at SLC

by G. BONVICINI / University of Michigan and SLAC

Monday 14 October

EP SEMINAR

at 16.30 hrs – Auditorium

Study of hadronically produced charmed particles using high resolution silicon detectors (ACCMOR Collaboration)

by S. KWAN / Bristol University

Measurements on production characteristics and lifetimes of charged and neutral D-mesons produced in 200 GeV π^- and K^- interactions will be presented. The data have been obtained in the NA11/NA32 experiment using high resolution silicon strip detectors. New results on charmed F-mesons decaying into the $KK\pi$ channel in the same experiment will also be covered in the talk.

Tuesday 15 October

PRESENTATIONS

Two presentations will be given :

at 09.00 hrs and at 14.00 hrs
DD Amphitheatre (Bldg 31, 3rd floor)

SERIES 300 technical workstations, HP9000 LAN Local Area Network and new CAD/CAM applications in the EE and ME fields

Peter DEVALD / Product Manager Europe Serie 300, Hewlett Packard

Björn TUFT / Product Marketing Manager Europe (Networking), Hewlett Packard

Tuesday 15 October

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

The Cosmic Expansion Field

by Gustav A. TAMMANN / Astronomisches
Institut, Basel

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

Mardi 8 octobre

LES SCIENCES AUJOURD'HUI

à 20.00 h précises – Auditorium

(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 des 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 conference will be given in FRENCH.)

Service des Relations Publiques
Tel. 2722

INFORMATIONS

GENERALES

GENERAL INFORMATION

Du 8 au 11 octobre 1985

Hall du Bâtiment de l'Administration
(Bât. 60 - 1^{er} étage)

09h00 - 17h30 (vendredi 12h00)

Wednesday 16 October

CERN COMPUTER SEMINAR

at 16.00 hrs – Auditorium

The CDF Data Acquisition System

by David R. Quarrie / Research Division,
Fermilab

ENSEIGNEMENT GENERAL

Tél. 2844

Jeudi 10 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

16, 17 and 18 October

11.00 to 12.00 hrs – Auditorium

Lepton-hadron scattering – past and future

by F. EISELE / DESY

Lepton-hadron scattering experiments have played a key role for the development and verification of the standard model. The lectures will summarize the main ideas and experimental results concerning the substructure of the nucleon, the structure of the weak currents and the production of new particles. In a second step it will be discussed how experiments at e-p colliders like HERA can lead beyond the standard model by studying the substructure of quarks and leptons, the existence of new kinds of interactions and/or new particles.

L'ITALIE AU CERN

Quarante firmes italiennes (comprenant dix-sept firmes individuelles, et quatre associations représentant vingt-trois firmes) présenteront le dernier cri de leur technologie à l'exposition 'L'Italie au CERN'. Cette exposition est organisée par I.C.E. Rome (Istituto Nazionale per il Commercio Estero).

Exposants : voir liste ci-dessous.

Vous pourrez obtenir, en temps utile, un programme détaillé :

- au secrétariat de votre division
- au service de Documentation, bât. 64, R-002
- à l'exposition même.

(Vous trouverez également la liste des exposants et de leurs produits dans l'édition du COURRIER CERN d'octobre.)