

SEMINARS SEMINAIRES

Monday 10 October

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

Design concepts and applications of a multi-purpose Fastbus master : The ALEPH Event Builder

by Volker MERTENS / CERN-EP

The ALEPH Event Builder (AEB) is a high-performance Fastbus master module to be used in various applications in the data acquisition system of ALEPH and other experiments. It is based on a MC68020 microprocessor. It runs the multi-user/multi-tasking operating system OS9/68K; the application programming can be done in C, FORTRAN, and assembly language. The Fastbus interface has been implemented as a coprocessor to the MC68020. Multiple Fastbus users are supported by special hardware. Several complementary Fastbus modules are existing, e.g. a VAX-BI interface. The hardware and software concepts and the performance of the AEB will be presented. An overview on the applications will be given. Finally the impacts of the increasing experimental demands and the progress in electronics and software methods on the design of future readout systems will be discussed.

Mercredi 12 October

PRESENTATION TECHNIQUE

de 10.00 à 12.00 h – bât. 14, 4-030

Raytheon (USA), représenté par W. MOOR SA (CH), propose un exposé sur ses réseaux prédiffusés basse puissance ECL. Avec sa nouvelle famille de Gate Arrays ECL, Raytheon met à disposition un 'Speed power product' dix fois plus performant. Trois composants sont disponibles à l'heure actuelle : 40 E12 avec 8000 Eq. Gates & 120 I/O, 70 E18 avec 12540 Eq. Gates & 176 I/O, IME 12 avec 4580 Eq. Gates 120 I/O & 1280 bit ram. Les interfaces suivants sont disponibles : 10K, 10KH, 100K, TTL, ETL et CMOS. Ces circuits sont disponibles en diverses gammes de température.

Langue : anglais

Renseignements : M. Diraison / FI / 4585

Thursday 13 October

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium*

e⁺e⁻ colliders in the USSR past, present and future

by A.N. SKRINKSKY / I.N.P. Novosibirsk

* Tea & coffee will be served at 16.00 hrs.

Friday 14 October

CAS ACCELERATOR SEMINAR

at 14.30 hrs – PS Auditorium
bldg 6, 2-024

The status of the HESYRL synchrotron radiation facility

by Y. YIN / University of Science & Technology
of China, Hefei, Anhui, People's Republic of
China

The HESYRL synchrotron radiation facility consists of a 200 MeV Linac, transport line and an 800 MeV storage ring. The Linac and transport line are running well. The storage ring is being assembled and is scheduled to start commissioning at the end of this year. The seminar will give a description of the machine, the status of the project and diagnosis results from the beam diagnostic system and Linac beam.

Monday 17 October

EF SEMINAR

at 11.00 hrs – EF Conference Room
bldg 13, 2-005

The Charm-II detector

by Wilfrid FLEGEL / CERN-EP

The CHARM-II neutrino detector consists of a massive, fine-grained and low density electronic calorimeter, instrumented with streamer tubes and scintillators. It is followed by a muon spectrometer. We will sketch the physics aim of the experiment and will give details on the construction of the calorimeter, on running experience with the streamer tube system, and some results of calibration of the calorimeter in a test beam.

Monday 17 October

OPEN MEETING

at 14.00 hrs – DD Auditorium
bldg 31, 3-005

Computing for Engineering

A report is being prepared by computer users and DD Division entitled, 'Computing at CERN in the Nineties'. One chapter concerns Computing for Engineering. The draft of this chapter has now reached the stage where it is being opened for public comment. The draft may be viewed and printed on VM or the central VAX cluster by using the command DOCFIND CACIND ENGINEERING CSE. If such access is impossible for you, a paper copy may be obtained from David Jacobs / DD / 5030. You are invited to come and discuss the draft at this Open Meeting.

14.00	General introduction	D. Jacobs
14.15	Analog electronic CAE	G. Baribaud
14.45	Digital electronic CAE	L. Pregernig
15.15	Microprocessor support	F. Perriollat
15.45	Coffee break	
16.00	Database support	J. Schinzel

16.30 Mechanical CAE

C. Hauviller

17.15 Field calculations

D. Jacobs

H. Umstaetter

The grouping of electronic subjects before coffee and mechanical ones after coffee should help people to plan their attendance for the aspects which interest them. In order to keep to the timetable, the chairman will cut discussions short if necessary. Further sub-meetings will be organised if this procedure results in major points being left undiscussed. You are of course at liberty to raise points at any time outside the meeting with any of the co-authors named in the agenda above. Such contacts are especially welcome before the meeting in order to help prepare the discussions.

Tuesday 18 October

SPS EXPERIMENTS COMMITTEE

Open session

at 09.00 hrs – Auditorium

1. Status report on the Emulsion experiments in ion beams (EMU 01-EMU 05, EMU 07, EMU 08) and on the Ion beam experiments WA86-WA88 and NA39-NA41 (I. Otterlund).
2. Study of beauty physics at the SPS collider with real-time use of silicon microvertex information (UC Los Angeles - Saclay collaboration; SPSC 88-33/P 238).

Closed session

on Tuesday 18 October at 11.30 hrs, Conference Room, 6th floor Administration building (to be continued at 14.30 hrs and on Wednesday 19 October at 09.00 hrs).

Wednesday 19 October

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room

QCD-enhancement of $|\Delta I| = 1/2$ transitions

by A. PICH ZARDOYA / CERN-TH

Wednesday 19 October*

EP SEMINAR

at 16.30 hrs – Auditorium

Search for exotic particles with UA2

by R. ANSARI / Orsay

** Please note unusual day!*

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 2844 - 5811

Jeudi 13 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844-3364

10, 11, 12 & 13 October

11.00 to 12.00 hrs – Auditorium

Object-oriented programming

by O. NIERSTRASZ & D. TSICHRITZIS /
Centre Universitaire d'Informatique, Genève