

Tuesday 29 May

PRIAM PRESENTATION

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

Eltec Elektronik GmbH

Language : English

Organizer : C. Parkman / 3963 / pmn@cernvm

Mercredi 30 mai

PRESENTATION TECHNIQUE

de 09.30 à 11.30 h – bât. 865, 1-D17

Présentation de l'oscilloscope IN 7000, conçu et réalisé par Intertechnique (F)

Langue : français

Renseignements : M. Diraison / FI / 4585

TRAINING AND EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING

Tél. 2844-3364

30 & 31 May, 6 & 7 June

11.00 to 12.00 hrs – Auditorium

Microelectronics for particle physicists

by E. HEIJNE & A. MARCHIORO / ECP
Division

Measurement systems as complex as detectors in LHC will depend heavily on microelectronics technology. This technology is applied in the construction of high resolution detectors, in the processing of signals from conventional particle detectors, in the extraction of information and the collection, filtering and analysis of the vast amount of raw data. These four lectures will introduce VLSI technology from the basic device properties up to system level design considerations. The basic goal will be to inform the experimental physicist about the impressive design possibilities that microelectronics will offer in the 90s.

The first two lectures by E. Heijne will give a bottom-up approach to the basic device phenomena and characteristics, concentrating on applications of VLSI technology in the environment of particle physics experiments.

The second two lectures by A. Marchioro will introduce the top-down design methodology for complex systems, covering the range from high level system specifications to automatic implementation of circuits.

Wednesday 30 May*

EP SEMINAR

at 14.30 hrs – Auditorium

Charm and Beauty at Fermilab

by Jeff SPALDING / Fermilab

* Please note unusual day & time!

Thursday 31 May

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs – Auditorium

The first observation of the decay $K_L \rightarrow \pi^0 \gamma \gamma$ and its implications on direct CP violation searches

by K. KLEINKNECHT / Universität Mainz &
CERN



ENSEIGNEMENT TECHNIQUE TECHNICAL TRAINING

e-mail : eductech@cernvm
☎ 4460

ELECTRONICS SEMINAR

June 26, 27, 28 & 29, 1990

Technical Training Auditorium

STRUCTURED ANALOG DESIGN

by Prof. Dr. R.D. Middlebrook
CALTECH - USA

This seminar is aimed at design engineers who would like to increase their skill in designing specifications and to learn techniques that will reduce design time and increase design quality. This is achieved by using design oriented analysis and measurement techniques which form a structured way of solving analog design problems and permit to fully utilize the power of CAD tools and network analysers.

Low entropy expressions, inverted poles and zeros, null double injection, the feedback theorem, the extra element theorem and the output and input impedance

theorem are parts of the seminar combined with in-class exercises covering high frequency, broad band amplifiers, power amplifiers, switched mode power supplies, etc.

R.D. Middlebrook is Professor of Electrical Engineering at Caltech, USA, and Fellow of the IEEE. He is recipient of an IR Award (1980), Excellence in Teaching Award (1982) and the Wm.E.Newell Power Electronics Award (1982) for outstanding achievement in device theory, differential amplifiers and switched-mode conversion.

Persons wishing to apply should fill in the application form below and have it signed by their Group leader and their Divisional Training Officer (DTO). An

attendance fee of CHF 650.- will be charged to the Division.

To return to the Technical Training Secretariat

I would like to participate in the **Structured Analog Design Seminar**

Name : Div :

G. Leader approval :

DTO approval :

INFORMATIONS GÉNÉRALES GENERAL INFORMATION

Statistiques des accidents Membres du personnel CERN

Accident Statistics Members of the CERN Personnel

Ensemble des événements accidentels <i>Total Accidents</i>	1er trimestre 1989	1er trimestre 1990
Accidents ayant fait l'objet d'une déclaration HS50 <i>Total declared accidents (HS50)</i>	42	46
dont accidents de trajet <i>on the journey to and from work</i>	6	4

Ensemble des événements accidentels avec arrêt de travail <i>Total accidents entailing absence from work</i>	1er trimestre 1989	1er trimestre 1990
Accidents du travail <i>Accidents at work</i>	16	10
Nombre de jours perdus <i>Lost days</i>	175	111
Accidents de trajet domicile-CERN <i>Accidents on the journey to and from work</i>	3	4
Nombre de jours perdus <i>Lost days</i>	41	117

A noter : Une diminution de la gravité des accidents du travail, mais une augmentation importante de la gravité des accidents du trajet :

"Accidents don't happen, they are caused !"

Groupe Sécurité Générale
TIS/ES

General Safety Group
TIS/ES