

TRAINING AND EDUCATION ENSEIGNEMENT

(Secrétariat: Tél. 2844)

**MONDAY 18, TUESDAY 19, WEDNESDAY 20,
THURSDAY 21, FRIDAY 22 JUNE**

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"An introduction to quantum mechanics"

by J.S. Bell/CERN

Advertisement: This is an experiment in teaching quantum mechanics. Usually it is supposed that facility in problem solving has to come before understanding. This supposition is well grounded. But perhaps it is interesting to try again from time to time to put the horse before the cart. No attention will be given to problem solving. But an effort will be made to convey whatever understanding the lecturer has. The course will be aimed at people with some experience of classical theory, such as CERN accelerator physicists. In particular some acquaintance will be assumed with partial differential equations, with Fourier analysis, and with Hamilton's classical equations for motion.

MONDAY 18 JUNE

TECHNICAL PRESENTATION

From 10.00 hrs to 16.30 hrs - Room 1-007
(Building 17 - D4 Meyrin site)

VARIAN (I) will demonstrate a new portable helium mass spectrometer leak detector (recently introduced) model 936-40, Porta-test: 25 x 35 x 50 cm, 25 kg, $5 \cdot 10^{-10}$ torr i/sec, one single handle operates the valves of the leak detector without possibility of mistakes, a new design diffusion pump with pumping speed stability, no liquid nitrogen is required, high inlet pressures are allowed, giving possibility for test in gross-leak cases without throttling.

Language: English, French

Informations: M. Diraison / FI / 4585

MARDI 19 JUIN

PRESENTATION TECHNIQUE

de 09h00 à 12h00 - Salle 2-005
(Bâtiment 13, D2 site de Meyrin)

PHILIPS (CH/NL) propose une conférence sur IEC-BUS et CIRCUITS D'INTERFACE HEF 4738 : - introduction IEC bus (voie de communication dans le domaine de l'instrumentation) et circuits d'interface HEF 4738 (signetics); - diagrammes de fonction, adressage, transmission des données et commandes; - démonstration d'un système avec "controller, talker, listener"; - discussion.

Langue : anglais

5ÉBÊÎ^BÊÎ?ÊBÊË : ** Diraison / FI / 4585

ENSEIGNEMENT TECHNIQUE

ATELIERS DE MATHÉMATIQUES

à 16h30 - Baraque 589
(plan CERN Fl)

Les enseignants et le Service de l'Enseignement organisent une projection publique d'un montage vidéo tourné pendant une séance de travail des Ateliers de Mathématiques.

A l'issue de cette présentation, les enseignants répondront aux questions que pourrait susciter cette pédagogie.

Toutes les personnes intéressées seront les bienvenues.

JEUDI 21 JUIN

ENSEIGNEMENT GENERAL

de 13.00 à 13h30 - Amphithéâtre

"Science pour Tous"

par R. Carreras

THURSDAY, 21 JUNE, THURSDAY,
28 JUNE AND THURSDAY 5 JULY

LECTURE SERIES

at 15.00 hrs - ISR Conference Room
(top floor of Building 30)

"An Overview of bit-slice micro-
processors" (3 lectures)

by Prof. Andries van Dam / CERN and
Brown University, Rhode Island

Abstract: The purpose of this series of three lectures is to introduce the most important concepts and facilities of bit-slice microprocessors. The first lecture will provide background and show how bit-slice microprocessors relate to both conventional fixed instruction set microprocessors and hard-wired (LSI) logic. The concept of microprogramming and the tools required for using bit-slice microprocessors will also be covered. This lecture will assume only a basic knowledge of hardware and software concepts. The second and third lectures will be more specialized and will cover the architecture and use of specific bit-slice families e.g. Amd 2900, Motorola 10800.

2nd lecture: Thursday 28 June, 15.00 hrs,
DD Conference Room

3rd lecture: Thursday 5 July, 15.00 hrs,
DD Conference Room

C. Verkerk/DD
Tel. 2378