

WEDNESDAY 27 MAY

THEORETICAL SEMINAR

at 14.00 hours - TH Conference Room

"The masses of beautiful hadrons"

by A. Martin / CERN

Abstract : An extrapolation procedure allows to get strict upper bounds and reasonable estimates on the masses of mesons and baryons containing a b quark from the knowledge of the masses of strange and charmed hadrons. The Σ_b - Λ_b and B^-B mass differences are discussed.*

CERN COMPUTER SEMINAR

at 16.00 hours - Auditorium*)

"Lilith, a personal computer for the software engineer"

by N. Wirth / Federal Institute of Technology (ETH), Zürich

Abstract : The personal work station offers significant advantages over the large-scale, central computing facility accessed via a terminal. Among them are availability, reliability, simplicity of operation, and a high bandwidth to the user. Modern technology allows to build systems for high-level language programming with significant computing power for a reasonable price. At the Institut für Informatik of ETH we have designed and built such a personal computer tailored to the language MODULA-2. We present an overview of this project which encompasses language design, development of a compiler and a single-user operating system, design of an architecture suitable for compiling and yielding high density of code, and the development and construction of the hardware. Twenty Lilith computers are now in use at ETH.

*) Tea and coffee will be provided at 15.30 hrs.

MODULA-2 : Prof. Wirth will describe "The module concept and separate compilation in MODULA-2" on the same day, at 11.00 hrs at the DD Amphitheatre, Bldg. 31, 3rd Floor.

DEMO : A Lilith computer will be demonstrated in the Auditorium between 14.00 hrs and 16.00 hrs.

CERN COLLOQUIUM

at 16.30 hours - COUNCIL CHAMBER

"Percolation and some applications"

by E. Guyon, Université d'Orsay et Ecole de Physique Chimie, Paris

Abstract : Percolation refers to processes where the randomness of a physical medium controls the connectivity and various static and dynamic characteristics of "particles" present within the medium. Rather than trying to describe the various facets of a recent and active field in statistical physics I will illustrate its properties using various examples of the physical world (composites, suspensions, porous media, gels).

*) Tea and coffee will be provided at 16.00 hrs.

DU 2 AU 4 JUIN

PRESENTATION TECHNIQUE

de 09h00 à 18h00 - Palais des Expositions, 18, Quai Ern.-Ansermet, Genève

BOSSARD OUTILLAGE SA (CH) organise un salon spécialisé dans le domaine des techniques d'assemblage, de fabrication ou de montage, sur les plus récents perfectionnements ou tendances ainsi qu'une sélection de l'assortiment complet : fixation dans le bois, liaisons chimiques, assemblages en acier inoxydable, protection des surfaces, techniques de chevillage, calculs de vissages, méthode d'essai, blocage d'assemblages vissés, soudage de boulons, techniques d'enlèvement des copeaux, de fixation des outils, de fixation des pièces à usiner, de métrologie directe, techniques modernes de montage, éléments normalisés pour confection de moules, de matrices d'étampage.

Langues : allemand, anglais, français

Renseignements : M. Diraison / FI / 4585

WEDNESDAY 3 JUNE

CLUB DES ELECTRONICIENS PS

à 09.30 - Amphithéâtre PS (Bât. 6)

"Etat actuel et orientation du marché des composants électroniques (2e partie)"

par G. Baribaud / CERN

Résumé : Dans la première présentation, l'évolution des microprocesseurs et des mémoires a été évoquée. Cette deuxième partie traitera de technologies telles que SOS, circuits prédiffusés, AsGa, des composants analogiques et des convertisseurs AD et DA que l'industrie vous annonce. Pour terminer, on comparera les caractéristiques des alimentations à découpage avec celles des alimentations linéaires.

DD SEMINAR

at 16.00 hours - DD Amphitheatre, Bldg. 31, 3rd Floor

"Efficiency of array processing examples and counterexamples"

by H. Lipps / DD

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

TUESDAY 26 AND WEDNESDAY 27 MAY

ACADEMIC TRAINING

Tel. 2344

at 11.00 hours - Auditorium

"Experiments on $\gamma\gamma$ interactions at e^+e^- machines"

by P. Jenni / CERN

(for abstract, see last week's Bulletin and notices).