

Tuesday 2 April

SCIENCE AND SOCIETY SEMINAR

at 16.30 hrs - Auditorium

On being a physicist

by J. ZIMAN / Dept. of Social and Economic Studies, Imperial College, London

Wednesday 3 April

DD SEMINAR

at 16.00 hrs - DD Amphitheatre (bldg.31, 3rd fl.)

UPPERBUS - A bit-serial, fiber optics based computer link bus with 280/560 Mbit/s

by W.K. GILOI and G. ZUBER /GMD, Berlin

TRAINING AND
EDUCATION
ENSEIGNEMENT

ENSEIGNEMENT GENERAL
Tel. 2844

Jeudi 28 mars

de 13.00 h a 13.30 h - Amphitheatre

Science pour tous

par R. CARRERAS

Prochain expose : jeudi 25 avril.

25, 26, 27, 28 and 29 March

11.00 to 12.00 hrs (except 26 March : 16.00 to 17.00 hrs) - Auditorium

e` e" physics

by G. FLUGGE / Nuclear Physics Institute, Karlsruhe

(For content, see last week's Bulletin,)

- 1. SA fundamentals; applications of SA models; from analysis to design.
- 2. From analysis to design (cntd); SD fundamentals; applications of SD models.
- 3. Management of analysis and design; development environments; strategies for introducing new technology; success patterns and failure modes.

The first two days will have lectures and exercises interspersed, in a ratio of about 2 hours of lecture to 1 hour of exercises (which involve interaction with the instructor); the third day has a smaller amount of exercises. Participants will receive a copy of 'THE PRACTICAL GUIDE TO STRUCTURED SYSTEM DESIGN' by M. Page-Jones and a copy of the transparencies used for the lectures.

Contact Mrs Monique Antal, DD Division, Tel. 2396.

INFORMATICS TUTORIAL 1985-2

15 to 19 April

09.00 to 12.00 hrs

Computer networks

by Sape J. MULLENDER / Center for Mathematics and Computer Science (CWI), Amsterdam

Use of computer networks, network structure, network architectures to ISO OSI reference model, overview of existing networks, network topology. The physical layer, the datalink layer, the network layer, WANs and LANs, the transport and session layer, the presentation and application layers. Examples of applications (electronic mail, news, remote login, remote execution, DECNET), computer networks at CERN: The present situation and the future.

Participants will receive the book 'COMPUTER NETWORKS' by A.S. Tanenbaum and copy of the transparencies used for the lectures.

For more information and to register, write or phone to Mrs. Monique Antal, DD Division, phone 2396.

INFORMATICS TUTORIAL 1985-1

27 to 29 March

09.00 to 12.00 hrs and 14.00 to 17.00 hrs

Use of structured analysis and design

by Peter FREEMAN / University of California, Irvine

Understanding the problem (analysis) and defining a solution (design) are the early phases in the life cycle of a data processing system. Structured Analysis (SA) and Structured Design (SD) are techniques that assist the analyst/programmer in the corresponding stages of the project. The elements of SA and SD will be presented, focusing especially on the transition from analysis to design, and management of the process. The tutorial will also (on the third day) address the issue of introducing new techniques (such as SA and SD) into an organization.

This course is intended for scientific and technical personnel and project managers involved in the analysis and design of software.

ENSEIGNEMENT TECHNIQUE Tel. 4460

SEMINAIRES TECHNIQUES - 2e semestre 1984-85

Blindages et mises a la terre

Ce seminaire est propose par Don White Consultants Inc. Il s'adresse aux techniciens superieurs et ingenieurs qui conçoivent des ensembles ou se posent des problemes d'interferences electromagnetiques.

Le programme du cours couvre les domaines suivants:

- conception, procedures et methodes de mises a la terre tant du point de vue securite que du controle des interferences electromagnetiques
- etude approfondie des blindages pour cables, circuits, boitiers, sous-ensembles et ensembles, batiments,...
- solution aux problemes de blindage/mise a la terre par des methodes de circuits compenses, isoleurs optiques, transformateurs d'isolation, boitiers doubles, bobines et des techniques nouvelles.

La ou les sessions auront lieu en anglais ou en francais selon la demande des participants.

Duree : 3 JOUTS.

Traitement statistique des erreurs experimentales

Ce seminaire a pour objectif d'etudier l'origine des erreurs experimentales, d'apprendre a les calculer et a les combiner. De nombreux exemples concrets illustreront ces concepts. On abordera les points suivants :

- Origine des erreurs de mesure (erreur statistique, systematique)
- calcul de la moyenne, de l'erreur type de la moyenne, de l'ecart type
- correlation entre mesures avec calcul du coefficient de correlation
- propagation des erreurs.

Ce seminaire s'adresse aux ingenieurs et techniciens superieurs amenes a faire des mesures experimentales. Il suppose done une bonne connaissance des notions de derivees et integrees.

Duree : 4 demi-journees reparties sur la semaine du 15 au 19 avril 1985.

Transformations d'egalites et equations du 1er degre

Ce seminaire s'adresse aux personnes desireuses de rafraichir leurs connaissances de mathematiques de base pour resoudre des problemes professionnels ou en vue de participer avec profit a un cours technique.

A partir de situations concretes, les participants degagent les notions et techniques mathematiques puis les generalised pour leur application a d'autres situations.

Duree : 5 demi-journees reparties sur la semaine du 20 au 24 mai 1985.

Pour vous inscrire a ces seminars, utilisez le bulletin ci-dessous. L'autorisation du chef de division sera demandee par le Service de l'Enseignement selon la procedure habituelle.

BULLETIN D'INSCRIPTION a retourner au Secretariat de rEnseignement Technique

NOM : Div. : Tel. :

- [] Blindages et mises a la terre
- [] Grounding and shielding
- [] Traitement statistique des erreurs experimentales
- [] Transformations d'egalites et equations du 1er degre

SPECIAL SEMINAR FOR SECRETARIES

A group of 25 secretaries from Swedish Universities, taking part **in** a training seminar end of April **in** Divonne, would like to invite 25 of **their!colleagues** from CERN to a :

ONE-DAY JOINT SEMINAR

on Friday, 26 April 1983 in Divonne.

There will be a presentation by Prof. Ottander/Stockholm on the subject :

"To be a boss is risk management of your collaborators".

This will be followed by a discussion and a general exchange of views. The working language will be English. All participants will have lunch in Divonne. The day will be closed with a dinner buffet. No charges are involved.

Any secretary interested in taking part should contact :

E. Fischer 5811
3. Huguenin 3364
F. Labro 4476
M. Pincott 3674

Education Services/Personnel Department.

SUPERVISORY TRAINING: next courses

There are still a few places available in the seminar:

SUPERVISION: MOTIVATION, DELEGATION, LEADERSHIP AND COMMUNICATION

by David Gratton

dates: 22, 23, 24 April and 17, 18 June 1985

- The course is for:
- Supervisors in charge of their own staff
 - Leaders of Project teams
 - Specialists getting their work done through other supervisor's staff
 - Staff who wish to develop their skills for possible futur supervisory appointments

People interested should contact one of the following persons:

E. Fischer 5811
J. Huguenin 3364
F. Labro 4476
M. Pincott 3674

Education Services/ Personnel Department