

TRAINING AND EDUCATION ENSEIGNEMENT

ACADEMIC TRAINING

Tel. 2844

17, 18, 19 & 20 March

11.00 to 12.00 hrs – Auditorium

Arithmetics, geometry and conformal fields

by C. ITZYKSON / Saclay

23, 24, 25 & 26 March

11.00 to 12.00 hrs – Auditorium

HEP graphics and visualization

by H. DREVERMANN / CERN-ECP & J.-P.

VIALLE / CERN-PPE

The lectures will give an overview of the use of graphics in high Energy Physics, i.e. for detector design, event representation and interactive analysis in 2D and 3D.

An introduction to graphics packages (GKS, PHIGS, etc.) will be given, including discussion of the basic concepts of graphics programming. Emphasis is put on new ideas about graphical representation of events. Non-linear visualisation techniques, to improve the ease of understanding, will be described in detail. Physiological aspects, which play a role when using colours and when drawing mathematical objects like points and lines, are discussed. An analysis will be made of the power of graphics to represent very complex data in 2 and 3 dimensions, and the advantages of different representations will be compared.

New techniques based on graphics are emerging today, such as multimedia or real-life pictures. Some are used in other domains of scientific research, as will be shown in examples. These techniques will be described and an overview of possible applications in our field will be given.

ENSEIGNEMENT GENERAL

Tél. 5811

Jeudi 20 mars

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS

SERVICES EDUCATIFS / EDUCATION SERVICES

RAPPEL / REMINDER

**Séminaires de Management et Communication
qui auront lieu au mois d'avril**

*Management & Communication Seminar
which will be held in April*

Seminaire bilingue / Bilingual seminar

- Information pour secrétaires de groupe 29, 30 avril

Topics offered in English

- *Effective Speaking* 2, 3 April
- *Managing staff today at CERN* 27, 28 April

Séminaires donnés en langue française

- Négociation 6, 7 avril
- S'exprimer efficacement en situation de travail 7, 8 avril
- Techniques d'entretien d'appréciation 8 avril
- S'exprimer efficacement en situation de travail 13, 14 avril
- Information pour superviseurs 27, 28 avril
- Pratique de la supervision 28, 29 avril

Si vous désirez vous inscrire pour un de ces séminaires prenez contact d'urgence avec votre responsable hiérarchique et votre DTO.

Pour tout renseignement complémentaire appelez Françoise Labro 4476 ou Madeleine Pincott 3674 (le matin seulement).

If you would like to enrol in one of the following seminars, please contact your supervisor and your DTO as soon as possible.

For further information phone Françoise Labro 4476 or Madeleine Pincott 3674 (mornings only).