

Les discours seront traduits simultanément en français.

L'exposition '*Federico Cesi et la fondation de l'Académie des Lincei (en 1603)*', organisée par l'Accademia Nazionale dei Lincei et l'Istituto Italiano per gli Studi Filosofici, sera inaugurée à la fin du premier jour. L'exposition restera ouverte jusqu'au 22 mai 1988.

Monday, 9th, 14.15h

(Chairman: Edoardo Amaldi, Vice-President of the Accademia Nazionale dei Lincei)

- **Giovanni Pugliese Carratelli**, Director of the Istituto Italiano per gli Studi Filosofici, Naples
"Introduction"
- **Robert R. Wilson**, Director Emeritus of FERMILAB, Chicago
"Humanness of Physics and Unity with the Humanities"
- **Léon Van Hove**, Former Director-General of CERN
"From Cosmology to Particle Physics, or The Unity of Physical Laws from Largest to Smallest Scales"
- **Giuseppe Montalenti**, Former President of the Accademia Nazionale dei Lincei
"Federico Cesi and the Academy of the Lincei"

18.00h: Opening of the Exhibition, in Co-operation with the CERN Staff Association
(1st Floor, Main Building, CERN)

The talks will be translated simultaneously into English.

The exhibition '*Federico Cesi and the Foundation of the Academy of the Lincei (in 1603)*', organized by the Accademia Nazionale dei Lincei and the Istituto Italiano per gli Studi Filosofici, will be inaugurated at the end of the first afternoon. The exhibition will remain open till 22 May 1988.

Tuesday, 10th, 14.15h

(Chairman: Olivier Reverdin, Former President of the Fonds national Suisse de la Recherche Scientifique (FNSRS))

- **Remo Bodei**, University of Pisa
"L'unité de la raison dans la multiplicité des cultures. Le débat philosophique contemporain"
- **René Thom**, Fields Medal, Institut des Hautes Etudes Scientifiques, Bures-sur-Yvette
"Sciences Dures et Sciences Molles: la Place des Modèles"
- **Girolamo Cotroneo**, University of Messina
"Philosophie et Sciences Humaines – Un rapport difficile"
- **Manfred Eigen**, Nobel Laureate, Director at the Max Planck Institute for Biophysical Chemistry, Göttingen
"The Physical Basis of Biology"
- **Ugo Amaldi**, CERN
"Concluding remarks"

ENTREE LIBRE – FREE ENTRANCE

Organizing Committee: *U. Amaldi, G. Marotta, S. Ricci, L. Van Hove*

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

ENSEIGNEMENT GENERAL
Tél. 2844 - 5811

Mardi 3 mai

LES SCIENCES AUJOURD'HUI

à 20.00 h précises – Amphithéâtre
(jusqu'à environ 22.00 h)
par R. CARRERAS

Rafel Carreras, responsable du programme d'Enseignement général au CERN, commentera et expliquera un

choix d'articles parus récemment dans des revues scientifiques, et qui couvrent l'ensemble des sciences physiques et biologiques ainsi que certains aspects des relations science-société. Une attention particulière est portée au langage et aux notions utilisés afin que les explications et les commentaires soient accessibles aux personnes n'ayant pas de formation scientifique.

Entrée libre

(Please note that the lecture will be given in FRENCH)

Service des Relations Publiques
Tél. 2722

Jeudi 5 mai

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

ACADEMIC TRAINING

Tel. 2844 - 3364

4, 5 & 6 May

11.00 h to 12.00 h – Auditorium

Technical problems of new accelerators

by K. JOHNSEN

4 & 6 May

14.30 h to 15.30 h – Auditorium

Please note unusual time!

Experimental searches for dark matter

by B. SADOULET / University of California, Berkeley

9, 10 & 11 mai

11.00 h to 12.00 – Auditorium

Théorie des catastrophes

par R. THOM / IHES, Bures-sur-Yvette

(In French)

1. *Mathematical preliminaries, analytical sets and morphisms, flat deformations, versal unfoldings, the C^∞ case.*
2. *Applications in dynamics, unfolding of instabilities, Landau Theory of phase transitions.*
3. *Theory of catastrophes, some examples of applications in biology and linguistics.*

INFORMATICS TUTORIAL 1988-2

Announcement

Organisation: Graphics Section, User Support Group, DD Division, CERN

Title: GKS, a hands on tutorial

When: Series 1 : Wednesday 18 to Friday 20 May 1988
Series 2 : Wednesday 8 to Friday 10 June 1988

Where: Divisional Workstation Training Room 513-1-21

Subject: The course is divided in 5 half day sessions (Wednesday morning to Friday midday). After a short introduction to situate GKS within the set of ISO graphics standards, the functionality of GKS will be explained with the aid of example programs. These will be developed interactively by the participants, who will thus be able to put what they have learnt directly into practice. Apart from GKS itself, the course will also cover the various facilities available at CERN (libraries, plotting, documentation, drivers, include files). At the end of the series more advanced features as well as the GKS-3D 3-dimensional extension will be presented.

Registration: The 2 series of 5 half day lectures will be devoted to hands-on experience with the GKS system. For practical reasons the number of participants will be limited to 20 for each series. If you want to attend you should discuss the matter with your direct supervisor and, if he agrees, you should send an electronic mail message to INFOTUTO@CERNVM, indicating your preferred electronic mail address and which one of the two sessions you prefer.

Lecturers: Ian McLaren is a member of the Graphics Section in the User Support Group in DD Division. He is mainly involved in installing the GKS-GRAL system on the various computer systems and output devices available at CERN.
Jan Moebs is a Professor at Krefeld University (FRG) and has a long experience in teaching graphics to students. While working at CERN on a sabbatical recently he developed a GKS graphics editor, which he will use extensively in the course.
David Myers is head of the Graphics Section. He is involved in the development of the GKS-3D and PHIGS standards in ISO.

Organisation: Package Development Section, User Support Group, DD Division, CERN

Title: PAW, The Physics Analysis Workstation

When: Series 1 : Tuesday 24 and Wednesday 25 May 1988
Series 2 : Thursday 26 and Friday 27 May 1988

Where: Divisional Workstation Training Room 513-1-21

Subject: PAW is conceived as an instrument to assist physicists in the analysis and presentation of their data. It provides interactive graphical presentation and statistical or mathematical analysis, acting on objects familiar to physicists like histograms, event files (n-tuples), vectors, etc.
PAW, at its basic level of usage, is intended to be useful to any physicist with minimal notions of computing. It should require no long learning phase before getting started. Simultaneously, it can become a powerful and efficient tool in the hands of a more experienced user, and it offers practically limitless extension possibilities through added programs at the FORTRAN level. PAW is primarily intended to be the last link in the analysis chain of experimental data. It may conceivably also be used as a data presentation package in a data acquisition environment. It has, therefore, access facilities for experimental data, if these have been formatted by the popular package HBOOK, or for any FORTRAN data.

The PAW environment includes the following packages:

- HBOOK4: a new version of the histogramming package
- HPL0T5: a new version of the graphics package of HBOOK
- HIGZ : a high level interface to GKS
- KUIP : a user interface system (command mode and menus)
- COMIS: a Fortran interpreter
- SIGMA: an array manipulation language
- ZEBRA: a data structure management system.

At present the PAW system is running on APOLLO workstations, VAXes and on the IBM VM/CMS.

Registration: The 2 series of 2 day lectures will be devoted to hands-on experience with the PAW system. Examples on how to use PAW on various computer systems and workstations will be given. The number of participants will be limited to 20 for each series. If you want to attend you should discuss the matter with your direct supervisor and, if he agrees, you should send an electronic mail message to **INFOTUTO@CERNVM**, indicating your preferred electronic mail address and which one of the two sessions you prefer.

Lecturers: Carlo Vandoni and Pietro Zanarini are working in the Package Development section in the User Support Group in DD Division. They have been directly involved in the development of the PAW system, in particular the KUIP (P.Z.) and SIGMA (C.V.) parts.



FORUM
TECHNOLOGIQUE

Secrétariat tél. 4460

9 h.30* P.M. Thiévent
Association suisse de normalisation

La normalisation - signification et objectifs techniques et économiques - structures régionales, nationales et internationales
(français avec traduction simultanée anglaise)

11 h.00 Dr. H. Zürer
Président du Comité Européen de Normalisation

La normalisation dans l'Europe de 1992 : un instrument technique au service de la politique économique de la Commission de la CEE.
(anglais avec traduction simultanée française)

Jeudi 5 mai - Salle du Conseil

LA NORMALISATION

Prière de noter le changement d'horaire

14 h.00 Groupes de discussion avec exposés

D. Hekimi
secrétaire général de l'European
Computer Manufacturers Association

La normalisation au service de l'informatique

M. Corthésy
chef du bureau de normalisation de
Bobst S.A. Lausanne

La normalisation en construction mécanique

R. Reymond
chef du bureau de normalisation de
BBC-Sécheron S.A. Genève

La normalisation dans l'électromécanique

16 h.00 Synthèse des travaux des groupes

Afin de faciliter l'organisation des groupes de discussion, les personnes intéressées à y participer sont priées de remplir le coupon ci-dessous et de le renvoyer pour le lundi 2 mai au plus tard

A : Secrétariat de l'Enseignement Technique

Lors du Forum sur la normalisation, je souhaite participer au groupe de discussion marqué d'une X ci-dessous (*prière de n'indiquer qu'un seul groupe*):

___ Normalisation en construction mécanique

___ Normalisation dans l'électromécanique

___ Normalisation au service de l'informatique

NOM : _____ Div _____

** Attention, changement d'horaires!*

INFORMATIONS

GENERALES

GENERAL INFORMATION

REMISE EN ETAT DES CANALISATIONS

Ainsi qu'il en a été fait état dans le Bulletin no 4/88, la Division ST entreprend des travaux sur le réseau des canalisations obturées par les racines des arbres, en particulier dans la zone du bâtiment 5. Ces travaux sont prévus dans le cadre du projet autorisé par la Direction pour la remise en état des tuyauteries d'eaux usées.

Aux personnes qui s'inquiéteraient de l'arrêt momentané de l'installation du matériel prévu pour le Centre des Visites, le Groupe Site Management, responsable de l'ordonnancement des travaux, tient à les informer que cet arrêt est motivé par le souci de ne pas intervenir en plusieurs fois au même emplacement.

Section Entretien-Dépannages
Division ST

REINTEGRATION

Sécurité sociale française

La prochaine permanence de la Sécurité sociale française aura lieu le

jeudi 5 mai 1988
de 13h30 à 15h30

salle de conf. n° 2, Division PE, bât. 5, 1er étage

Les personnes intéressées sont priées de prendre rendez-vous en téléphonant au Secrétariat des Affaires sociales (tél. 4201).

Affaires sociales
Division du Personnel

USER PARTICIPATION

STAFF COUNCIL ELECTIONS

The Advisory Committee of CERN Users (ACCU) discussed at its last meeting user representation on the Staff Council which is considered important by both CERN management and the Staff Association. Hence ACCU encourages all users to participate in the forthcoming elections by standing for election and voting. Users need to hold a CERN contract as Unpaid Associate and most of them have to register on an electoral list (see page III of Staff Association section in Weekly Bulletin No 17/88). Further information can be obtained from the ACCU Staff Association representative P. Igo-Kemenes / EP, ACCU secretary G. J. Bossen / PE, polling officer J.C. Bertrand/EP and ACCU members :

AUSTRIA	W. Bartl
BELGIUM	T. Mouthuy
DENMARK	H. Boggild
FRANCE	G. Sauvage (Chairman) H. Zaccane
GERMANY	K. Eggert H. Siebert
GREECE	C. Kourkoumelis
ITALY	V. Gracco C. Sciacca
NETHERLANDS	K. Bos
NORWAY	E. Lillethun
PORTUGAL	P. Bordalo
SPAIN	E. Higon-Rodriguez
SWEDEN	P. O. Hulth
SWITZERLAND	M. Werlen
UNITED KINGDOM	M. Albrow J. R. Carter