

TRAINING AND EDUCATION ENSEIGNEMENT

1st TERM (October to December 1986)

HIGH-ENERGY PHYSICS

- "Superstrings"
by L. IBANEZ & A. NEVEU (CERN)
5 lectures : October 6 to 10
- "Cosmic rays open the field of particle physics"
by M. CONVERSI (University of Rome)
2 lectures : November 6 & 7 or 20 & 21

OTHER BRANCHES OF PHYSICS

- "Epistemology" & "Realism in quantum mechanics"
by K. POPPER (University of London)
2 lectures : December 3 & 4

ACCELERATORS & PARTICLE DETECTORS

- "Future colliders - physics and machines"
by C.H. LLEWELLYN SMITH (University of Oxford)
3 lectures : November 3 to 5

MATHEMATICS & COMPUTER SCIENCE

- "Introduction à la Robotique" (in French)
by A. FOURNIER (Université du Languedoc)
3 lectures : October 29 to 31
- "Computer-aided engineering in mechanics and electronics"
by R. DASSLER (CONTRAVES, Zurich)
& P. DE WILDE (Technological University, Delft)
5 lectures : November 24 to 28
- "The statistics of very small samples - Bayesian & classical approach"
by F. JAMES (CERN)
3 lectures : December 15 to 17

ENGINEERING & TECHNOLOGY

- "Introduction to optical communication"
by R. SALATHE (PTT, Berne)
4 lectures : November 11 to 14

2nd TERM (January to April 1987)

HIGH-ENERGY PHYSICS

- "Physics with LEP & SLC"
by F. RENARD (Université du Languedoc),
G.B. CHADWICK (SLAC & CERN) & F. DYDAK (CERN)
8 lectures : February 3 to 12

- "QCD sum rules"
by E. DE RAFAEL (CNRS Luminy, Marseille)
2 lectures : between March 9 & 13

OTHER BRANCHES OF PHYSICS

- "Physics of disordered systems"
by M. VIRASORO (University of Rome)
3 lectures : February 18 to 20

MATHEMATICS & COMPUTER SCIENCE

- "Introduction to signal and information theory"
by F. DE COULON (EPF, Lausanne)
4 lectures : March 23 to 26
- "System software on high-performance workstations - Selected topics"
by R. MARTY (University of Zurich)
6 lectures : between March 16 & 20

ENGINEERING & TECHNOLOGY

- "Corrosion des métaux et procédés électrochimiques de traitement de surfaces (in French)
by J. AUGUSTYNSKI (University of Geneva)
3 lectures : between March 30 & April 3

3rd TERM (May & June 1987)

HIGH-ENERGY PHYSICS

- "Lattice gauge theories"
by G. MARTINELLI (CERN) & R. PETRONZIO (University of Rome)
4 lectures : between May 11 & 15
- "Hot topics in spectroscopy"
by F. CLOSE (Rutherford & Appleton Laboratory)
3 lectures : second half of June

OTHER BRANCHES OF PHYSICS

- "Dark matter and galaxy formation"
by R. RUFFINI (University of Rome)
3 lectures : May 20 to 22

ACCELERATORS & PARTICLE DETECTORS

- "Interaction of electrons with materials and fields"
by K. POTTER (CERN)
2-3 lectures : first half of June
- "Dynamics of beam diagnostics"
by A. HOFMANN (CERN)
5 lectures : second half of June

The lectures usually take place from 11h to 12h, in the Main Auditorium.

The abstract of the lectures, as well as any change to the above information (title, dates, time, place, etc.) will be published in the CERN Bulletin and by Notices before each Term and for each series of lectures.

INFORMATICS TUTORIAL 1986-3

29 September to 3 October 1986

from 14.00 to 17.00 hrs and evenings

The programming language ADA

by Gian Vittorio FRIGO / CERN-DA

Presentation

ADA is a general purpose language particularly suited for large projects or real-time programs. ADA has been selected as the official programming language by (amongst others) the EEC, Boeing, NASA, the USA Dept. of Defence and the British Ministry of Defence.

Audience

The course is aimed at advanced computer professionals. A sound knowledge of at least two high-level languages is assumed.

Topics

- Language overview; general program structure
- tasking concepts; object-oriented design
- design project : counting leaves

- packages; generic units
- design project : Data base enquiry
- tasks, exceptions; language details; ADA and FORTRAN
- design project : process control.

Course profile

Lectures will be given in the afternoon sessions, and the evenings will be devoted to hands-on experience. A basic knowledge of VMS and of the LSE editor is required.

Material

Course notes; ADA reference manual; 'Software engineering with ADA' by G. Booch.

Registration

For more information and to register, please call Jean-Louis Penaud at 4928 or send electronic mail to JLPCP@CERNVM.

About the lecturer

G.V. Frigo worked in compiler design at the Olivetti Research Lab in the sixties, and later joined the systems programming group at CERN/DD. He has worked with several languages, including Algol, FORTRAN, LISP, SNOBOL4 and Pascal. He is currently responsible for the computer centre of the Direction of Administration.

INFORMATIONS

GENERALES

GENERAL INFORMATION

A TUTTI GLI ITALIANI AL CERN

L'AIDOI (Associazione Italiani dipendenti delle Organizzazioni internazionali), sezione di Ginevra, ha il piacere d'informarvi che martedì 16 settembre p.v., alle ore 18, nella sala 5 del Palazzo delle Nazioni, avrà luogo una riunione d'informazione sui problemi riguardanti il sistema previdenziale Italiano :

1. Pensioni
2. Contributi volontari
3. Invalidità
4. Trasferimento dei contributi ecc.

che riguardano i funzionari italiani delle Organizzazioni internazionali.

Il conferenziere si terrà a vostra disposizione per fornirvi ogni eventuale chiarimento.

Dato l'interesse del tema siamo sicuri di poter contare su un'ampia partecipazione.

CHANGEMENT D'ADRESSE

Veillez noter qu'à partir du 1er septembre 1986, la S.G.T.E. transfère ses bureaux à l'adresse suivante :

ZONE D'ACTIVITE TECHNOPARC
01630 St.-GENIS-POUILLY
Téléphone : 50422758.

Pour tout courrier :
S.G.T.E.
B.P. no 3
01630 St.-GENIS-POUILLY

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