

and attributes are most similar, what causes this similarity, and how to differentiate them. NEXTRA's unique capabilities to compare multiple viewpoints and multiple sources of expertise create new opportunities for knowledge engineering. Group brain storming is a powerful process for eliciting ideas and knowledge. NEXTRA structures this process and clarifies the critical issues where further group discussion will be productive. NEXTRA provides many different ways for interactive analysis of the expertise : data display, cluster and map analyses (principal components analysis), induct logical analysis, compare methodology for multiple experts. NEXTRA can be used as a knowledge processing and decision support tool as well as a rapid prototyping front-end to NEXPERT Object.

* Please note unusual time!

Monday 15 October

SPECIAL SEMINAR

at 14.30 hrs – Auditorium

Present and future of KEK

by H. SUGAWARA / Director of KEK, Japan

Mercredi 17 octobre

SEMINAIRE CN/CE

de 09.00 à 12.00 h – Amphithéâtre LEP
bât. 30, 7e étage

Normalisation dans l'électronique Symbolisation graphique : logique binaire, analogique

par Chris SIMPSON / Chargé des relations
publiques à la CEI*, Genève,
Maurice DUCOMMUN / Ex-président du
Sous-comité 3C de la CEI &
L. NISSOU / spécialiste en normalisation et
ingénieur au CNET**, Paris

* CEI : Commission Electrotechnique Internationale

* CNET : Centre Nationale d'Etudes des Télécommunications

TRAINING AND EDUCATION ENSEIGNEMENT

ENSEIGNEMENT GENERAL

Tél. 5811 ou 3674 (le matin)

Jedi 11 octobre

de 13.00 h à 13.30 h – Amphithéâtre

Science pour tous

par R. CARRERAS

Wednesday 17 October

TECHNICAL PRESENTATION

from 09.30 to 16.30 hrs – bldg 17, 1-007

Ozalid AG (CH) representing Toshiba (J) will introduce the state of art for portable computers.

Languages : English, French

Information : M. Diraison / FI / 4585

Wednesday 17 October

TECHNICAL PRESENTATION

10.00 to 12.00 hrs – CN Auditorium
bldg 31, 3-005

Real-world solutions to today's networking needs

by Jim CARDY / AMD Munich

Language : English

Information : M. Diraison / FI / 4585

Wednesday 17 October

CN SEMINAR

at 16.00 hrs – Auditorium

A review of Japanese high-end computing

by Sverre JARP / CERN-CN

Thursday 18 October

CERN COLLOQUIUM

at 16.30 hrs – Auditorium

The Soviet-American Gallium Experiment

by Thomas J. BOWLES / Los Alamos
National Laboratory

ACADEMIC TRAINING

Tél. 2844-3674

15, 17, 19, 23 & 25 October

LECTURES FOR POSTGRADUATE STUDENTS

10.30 to 12.00 hrs – Auditorium

Quantum field theory

by B. DE WIT / Institute for Theoretical
Physics, Utrecht

After a brief and practical introduction to field theory and the use of Feynman diagrams, we discuss the main concepts in gauge theories and their application in elementary particle physics. We present all the ingredients necessary for the construction of the standard model.



ENSEIGNEMENT TECHNIQUE TECHNICAL TRAINING

☎ 44.60
eductech@cernvm

29 October to 2 November

ORACLE SEMINAR

Strategic and detailed Systems Analysis

by Linda HICKMAN / Oracle UK Corporation

*This 5-days seminar supports the Strategy and Analysis phases of the CASE*Method which was presented on September 18 in a one-day overview. It is aimed at project managers, systems analysts and analysts/programmers who require a rigorous method to develop projects efficiently.*

Course contents :

- Information gathering, function modelling, entity modelling, convergent modelling, quality assurance, strategy
- Entity analysis, function analysis, data collection, introduction to the CASE*Dictionary, data analysis and specifications
- Dataflow diagrams, function specification, cross-checking techniques, constraints and transition issues, subsequent phases.

The number of participants is limited to 12 persons. Those who would like to apply should fill in the application form which has been published in the Technical Training brochure. Extra copies of this brochure may be obtained from the Divisional Secretariats and the Technical Training Secretariat.

A financial contribution of CHF 1000.- will be charged to the divisions.

SERVICE D'APPUI LINGUISTIQUE LINGUISTIC SUPPORT SERVICE

Secrétariat (après-midi seulement) : 3127
Secrétariat (afternoons only) : 3127

ANGLAIS

Il reste encore quelques places disponibles dans le cours niveau – débutant/faux débutant – qui a lieu 3 fois par semaine :

lundi	17h00-19h00
mardi	10h30-12h30
vendredi	08h00-10h00

Veuillez contacter M. U. LIPTOW, tél. 2957
Mme F. BENZ, tél. 3127

Thursday 18 October

at 10.30 hrs – Technical Training Auditorium

Adapting finite element software for the 90s

by D. F. OSTERGAARD / Swanson Analysis Systems (USA)

The proliferation of finite element usage for design and analysis coupled with tremendous increases in price/performance of computer hardware systems has put demands on commercial software packages to meet increased user expectations. The seminar will focus on user requirements, hardware advances and finite element trends for the 1990s. The talk will conclude with how commercial finite element software developers are responding to these demands from industry.

Potential topics to be covered in the presentation include :

- Man-machine interfacing
- CAD interfacing
- Data transfer across systems
- Hardware price / performance trends
- Error estimation
- Adaptive mesh refinement
- Boundary elements
- Software development
- Quality Assurance issues

Dale Ostergaard is Supervisor at the Quality Assurance Department of Swanson Analysis Systems Inc., the company that designed and develops the finite-element package ANSYS. He is responsible for coordinating development of ANSYS magnetics and coupled-field capabilities and for quality assurance testing of the programme.

As the number of participants is limited, the persons who want to attend this seminar have to apply to the Technical Training Secretariat, preferably by e-mail (eductech@cernvm).

INFORMATIONS GÉNÉRALES GENERAL INFORMATION

HISTORY OF CERN – VOLUME II

On the occasion of the publication of the Second volume of the

HISTORY OF CERN

1955-1965 : Building and Running the Laboratory

by A. Hermann, J. Krige, U. Mersits, and D. Pestre
with contribution by L. Weiss

the authors have pleasure in inviting CERN staff and visitors interested in the book to join them in a glass of wine and to inspect one of the first copies in the Salle des Pas Perdus from 16.30 to 18.00 hrs on Friday 5 October.