

COMMUNICATIONS OFFICIELLES

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

La reproduction même partielle de ces informations par des personnes ou des institutions externes à l'Organisation exige l'approbation préalable de la Direction du CERN.

COMMISSION PARITAIRE CONSULTATIVE DES RECOURS

La Commission paritaire consultative des Recours s'est réunie pour examiner les recours introduits par Monsieur Jean SCHEURER contre, d'une part la redistribution de ses attributions professionnelles, d'autre part l'évaluation de ses fonctions.

L'intéressé n'ayant pas formulé d'objection, les recommandations de la Commission et la décision définitive du Directeur général sont portées à la connaissance du personnel, conformément à l'Article R VI 1.11 du Règlement du Personnel.

Ces documents seront donc affichés aux tableaux du Bâtiment de l'Administration (No 60) du 17 février au 3 mars 1995.

Division du Personnel
Tél. 4128

SEMINARS SEMINAIRES

Tuesday 21 February

TECHNICAL PRESENTATION

at 10.00 hrs - CN Auditorium, bldg 31/3-005

Purify, PureCoverage and Quantify presentation

by Joachim FISCHER / Strategic Account Manager &
Herbert KOLLER / Sales Engineer, Pure Software

Part 1 : General presentation by J. Fisher

- a) Company profile :
Core Values and Beliefs, Purpose, Mission, Organization.
- b) Quality Software Market :
What is Quality of Software? Where does it start? What are the main Quality issues in Software Development?
What trends do we recognize?
- c) The Purify'd Partner Program : surprise!!

Part 2 : Demonstrations by H. Koller

- a) Purify, a run-time and memory error detection tool for C/C++ programs.
- b) PureCoverage, a code coverage improvement product for C/C++ programs.
- c) Quantify, a profiler for C/C++ programs.
- d) Surprise!!

Part 3 : Purify your own code, bring your own program, executable or whatever is written in C or C++ and have it purified.

Organizer : S. Cannon / CN / 5036

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading.

Reproduction of all or part of this information by persons or institutions external to the Organization requires the prior approval of the CERN management.

JOINT ADVISORY APPEALS BOARD

The Joint Advisory Appeals Board was convened to examine the appeals lodged by Mr Jean SCHEURER, against on the one hand the redistribution of his professional duties, and on the other hand the evaluation of his post.

As the appellant has not objected, the recommendations of the Board and the final decision of the Director-General are brought to the notice of the personnel in accordance with Article R VI 1.11 of the Staff Regulations.

The relevant documents will therefore be posted on the notice boards of the Administration Building (No 60) from 17 February to 3 March 1995.

Personnel Division
Tel. 4128

Wednesday 22 February

TECHNICAL PRESENTATION

at 09.30hrs - Auditorium

Ultra high density PCB (DYCOstrate)

by Würth Elektronik GmbH (D) represented by
Elektron AG (CH)

Subject : new production method of printed circuits with dimensions of 4 mils and with diameters of the drill holes of 3 mils (1 mil = 1/1000 ")

Application field: PCB's, requiring a higher efficiency of the surface

Language : English

Information : M. Diraison / FI-A / 4585

Wednesday 22 February

THEORETICAL SEMINAR

at 14.00 hrs - TH Conference Room

The age of the Universe

by D. SCHRAMM / University of Chicago

The seminar will focus on the current controversy regarding the age of the Universe. In particular, the various methods for estimating the present age will be discussed with their intrinsic assumptions and uncertainties. It will be shown that nucleochronology (radioactive dating) puts a reliable lower bound at 10 Gyr (with the age of the Earth firmly determined

as 4.6 ± 0.1 Gyr). It will also be shown that the ages of the oldest stars (globular clusters) result in age estimates that can range from 10 to over 20 Gyr. These firm age estimates will be compared with dynamical estimates from Hubble constant determinations. At present, there is sufficient uncertainty that an $\Omega = 1$, $\Lambda = 0$ Universe cannot be excluded.

Thursday 23 February

TECHNICAL PRESENTATION

at 10.00 hrs – CN Auditorium, bldg 31/3-005

Client/server solutions from Dansk Data Elektronik A/S

by A. ANDERSEN, T. MORSING & S.K. JAKOBSEN

DDE's product portfolio includes comprehensive client/server applications, multi-CPU Unix database servers, training, consultancy, system integration, & project management services.

Agenda :

- 1. Presentation of the company DDE (A. Andersen, 20 min)
- 2. Presentation of the CMS (T. Morsing, 20 min)
- 3. Presentation of the Supermax EDA (S.K. Jakobsen, 20 min)

Supermax CMS is an advanced colour graphic based control and monitoring system which offer the newest, most easily operated system on the market. Supermax CMS is a real client/server application which gives you the highest degree of flexibility when it comes to capacity of the system, the number of workstations and their actual placement. Selection of the standardised basic software (UNIX, Motif, TCP/IP, XWindows, Oracle, DataViews) gives you the flexibility needed today. The foundation for Supermax CMS is therefore, a strong combination of future proof technology, flexibility and price/performance.

Supermax EDA is a powerful and flexible integrated CAE, CAD and CAM system for the Electronics Industry. It consists of Supermax E-CAD, an integrated Printed Circuit Board layout solution (IPL) with Hybrid, Polymer Thick Film and Multi Chip Module capabilities and the full suite of Viewlogic tools for Schematic Design, VHDL Synthesis and Digital, Analog and Mixed Mode simulation.

Supermax E-CAD also integrates to third party industry standard tools such as Cooper & Chyan Technology shape based autorouting and placement products, Quantic Laboratories Signal Integrity and EMC analysis and simulation products, as well as the CAE tools from Mentor Graphics and Cadence Design Systems.

Organizer : S. Cannon / CN / 5036

Vendredi 24 février

PRESENTATION TECHNIQUE

à 09h00 hrs – Amphithéâtre CN, bât. 31/3-005

Systèmes d'Information Visuelle (SIV) et gestion de patrimoines

par Cap Gemini Sogeti (CH)

La gestion des informations relatives à un patrimoine est longtemps restée confinée à l'exploitation, en simultané ou non, de deux dimensions au demeurant complémentaires voire indissociables : une *dimension attributive* appréhendée au travers du concept-outil de Système de Gestion de Bases de Données (SGBD), et une *dimension graphique et spatiale* privilégiant la conception et la représentation graphique des objets à gérer, à travers le concept-outil de Dessin Assisté par Ordinateur (DAO). Une gestion efficace des informations patrimoniales passe donc par la définition de concepts

nouveaux capables d'appréhender et d'exploiter de manière indissociable les aspects graphiques et visuels inhérents aux objets gérés et les aspects attributifs indispensables à la planification. Nous proposons d'exposer nos réflexions et expériences concernant la mise en place et l'intégration de ce nouveau type de concept pour la gestion et la planification patrimoniale.

Langue : français

Renseignements : M. Diraison / FI-A / 4585

Friday 24 February

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room

Hadronic contributions to the effective fine structure constant $\alpha(M_Z^2)$ and to g-2 of the leptons

by F. JEGERLEHNER / PSI, Villigen

Monday 27 February

DETECTOR SEMINAR

at 11.00 hrs – ECP Conference Room, bldg 13/2-005

Digital Readout Signal Processing

by Sami J. INKINEN / CERN-ECP

The next-generation detectors pose new challenges to the signal processing operations performed in the readout chain. The acquired signals are corrupted by coloured noise components with Gaussian and exponential distributions, sample timing jitter and pulse time-domain superpositions. The digital filters which extract the basic features of pulses produced by traversing particles should give precise results in the presence of these artefacts and possess a feasible hardware implementation. This presentation reviews basic digital filter types – both linear and nonlinear – and compares their performance in typical readout applications. The topics discussed include the Finite Impulse Response (FIR) linear filter and Order Statistics (OS)-based nonlinear filters as well as their optimization using a training approach. These filters are then applied to pulse amplitude extraction, to pulse finding process and to signal base line estimation. The main emphasis is on modern signal processing methodology and on filter selection and optimization strategies, using signal artefact analysis and implementation requirements as the primary specifications.

Wednesday 1 March

COMPUTING SEMINAR

at 16.00 hrs – CN Auditorium, bldg 31/3-005

Installation and Use of an MPP, the Meiko CS-2

by P. CALAFIURA, R. HAUSER & B. PANZER /
CERN-CN

Organiser : D. Kemp / CN

Jeudi 2 mars

PRESENTATION TECHNIQUE

10h00 -16h00, bât. 17/1-007

Pompes à vide, appareils de mesure, spectromètre de masse

par Leybold AG (CH/D)

Produits présentés : pompes turbomoléculaires dernière génération, pompes cryogéniques, appareils de mesure du

vide, détecteurs de fuite, vannes à vide, éléments de construction, spectromètre de masse.

Application : accélérateurs et différents laboratoires d'expériences.

Langue : français

Renseignements : M. Diraison / FI-A / 4585

POUR INFORMATION / FOR INFORMATION

UNIVERSITE DE GENEVE

Département de physique nucléaire et corpusculaire

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1211 Geneva 4

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Mercredi 22 février

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

à 17.00 h – Auditoire Stückelberg

ICARUS : Etude des neutrinos et de la stabilité de la matière

par Jean-Pierre REVOL / CERN

La Collaboration ICARUS a développé un nouveau type de détecteur, à savoir une véritable chambre à bulles électronique qui devrait permettre d'avoir accès à un très vaste programme de physique complémentaire à celui du LEP et du LHC et comprenant :

- l'étude de la stabilité de la matière baryonique
- l'étude des neutrinos solaires
- l'étude des neutrinos atmosphériques
- l'étude de neutrinos créés au CERN et observés à 730 km de là, dans le tunnel du Gran Sasso,
- l'étude des neutrinos provenant de supernovae dans notre galaxie et peut-être aussi de l'ensemble des supernovae passées.

La technique expérimentale ainsi que le programme de physique seront présentés.

EDUCATION SERVICES EDUCATIFS

ACADEMIC TRAINING

Tel. 3127

20, 21, 22, 23 & 24 February

Modern process control

by M. RABANY / CERN-AT

Postponed

LECTURE SERIES FOR POSTGRADUATE STUDENTS

27 & 28 February, 1, 2 & 3 March

11.00 to 12.00 hrs – Auditorium

Ultimate gradient accelerators : physics and prospects

by A. SKRINSKY / INP, Novosibirsk, Russia

ENSEIGNEMENT GÉNÉRAL

Tél. 5811

Judi 23 février

à 13.00 h – Amphithéâtre

Science pour tous

par Rafel CARRERAS