

SEMINARS SEMINAIRES

Monday 9 October

TECHNICAL PRESENTATION

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

Microware's latest and Future Software Products

by Peter DIBBLE / Research Scientist, Microware Systems Corporation (USA)

This talk will review Microware's recent releases and discuss plans for the near and remote future.

Recent releases include : a maintenance release of OS-9, OS-9000 release 2.0, support for additional versions of PowerPC, support for the 68060, a new release of FasTrak (including FasTrak for Windows), a major new release of DAVID, compiler support for the 040, 060 and Pentium, a major restructuring of ROM code, a significant maintenance release of ISP, various DAVID-related networking products, and C++ for all supported targets.

The near future holds further maintenance releases of OS-9, a major update of PCF (still pending since last year, maybe I'll add Windows 95 long file name support), FasTrak support for system state debugging, and some greatly-improved low-level SCSI drivers.

Organiser : S. Cannon / CN / 5036

Monday 9 October

4TH INTERACTIVE MIGRATION USER MEETING

at 14.00 hrs – CN Auditorium, bldg 31/3-005

The 4th Interactive Migration User Meeting is devoted this time to the presentation of SUE (Standard UNIX Environment), the software environment developed at CN Division with the aim to standardize the system configuration and setup of UNIX platforms. The goal is to make them as homogeneous and system-independent as possible, minimizing differences and machine aspects which are secondary to the end users.

The presentation will be complemented with a summary of the CHEP'95 and HEPiX Conferences on those aspects relevant to the CERN User Community. The meeting will be targeted mainly to System Administrators and Software Representatives of the different Teams (Physics Experiments, Research Divisions, etc.) present at CERN.

14.00 Introductory Remarks
Miguel Marquina

14.05 Standard UNIX Environment
(or alternative title proposed by RTB)
Rainer Tobbicke

14.30 CHEP'95 and HEPiX - Highlights for End Users
Tony Cass

15.00 Feedback and Questions

15.30 Tentative End of Meeting

Information : Arnaud Taddei / 9349 / taddei@mail.cern.ch

Monday 9 October

PPE SEMINAR

at 16.30 hrs – Auditorium

Measurement of CP violation parameters and test of CPT in the neutral kaon system

by Marc DEJARDIN / CEA, DSM/DAPNIA, CE Saclay

The CPLEAR experiment studies the CP, T and CPT symmetries in the neutral kaon system by measuring decay rates asymmetries between initially pure neutral kaon states. Results on η^{+-} and Δm , based on the analysis of data collected up to 1994, are presented. Their implication on testing CPT invariance is discussed.

Monday 9 October

SCIENCE AND SOCIETY SEMINAR

at 16.30 hrs – Council Chamber*

Nuclear Explosion Testing and Maintenance of Nuclear Weapon Stockpiles

by Richard L. GARWIN / IBM

* Tea & coffee will be served at 16.00 hrs.

Tuesday 10 October

TECHNICAL PRESENTATION

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

VMEbus and Motherboard Products

by J. GIPPER / Director of Marketing for Embedded Technologies, Motorola (Computer Group)

Motorola Computer Group's (MCG) Director of Marketing for Embedded Technologies, Jerry Gipper, will discuss MCG's VMEbus and motherboard products.

Presented will be the latest technology and product roadmaps. Products featuring the 68K and PowerPC microprocessors (including the recently announced low-cost MVME1300 PowerPC board), IndustryPack, PCI, and PCI Mezzanine Cards will be discussed.

Organiser : S. Cannon / CN / 5036

Tuesday 10 October

PRESENTATION

at 14.00 hrs – Room B, bldg 304/1-001

DLI logic analysers

by Draxel MAYER/ Computers Control AG

Demonstration of the latest high performance logic analysers from DLI.

Organiser : J. Buytaert / ECP / 5737

Wednesday 11 October

TECHNICAL PRESENTATION

at 10.30 hrs – CN Auditorium, bldg 31/3-005

LynxOS Developments : PosixWorks, LynxOS version 2.3

by Mitchell BUNNELL & Mark OVERGAARD / Lynx
Real-Time Systems Inc.

LynxOS, a real time POSIX compatible operating system which runs on a variety of hardware platforms, has been used in CERN's accelerator control systems for about four years. The speakers will introduce PosixWorks, a combination of LynxOS, GNU program development tools and BBN diagnostic tools (TimeScan and TotalView). The current state of Lynx software products will be described, with emphasis on the newly-released version 2.3 of LynxOS.

Mitchell Bunnell is chief technical officer and a co-founder of Lynx Real-Time Systems. Mark Overgaard is vice-president of engineering.

Information : Julian Blake / CN-CE / 4893 / blake@mail.cern.ch

Wednesday 11 October

PS SEMINAR

at 11.00 hrs – PS Auditorium

The magnetron-type varactor : a fast and high power tuning device for RF cavities

by V. PARAMONOV / Inst. for Nuclear Research, Moscow

A fast tuning is essential to provide the RF voltage required for beam acceleration in low and medium energy synchrotrons. It is usually achieved with ferrite loaded tuners but an alternative solution uses a variable capacitance, or varactor, tuner based on the principle of the magnetron diode. A varactor has been tested at INR in an RF cavity developed for the TRIUMF Kaon Factory and its performances and limitations will be reviewed in detail.

Thursday 12 October

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

The use of heavy charged particles in the radiation therapy of tumors

by Gerhard KRAFT / GSI Darmstadt, Germany

Beams of heavy charged particles like carbon or oxygen ions represent the ultimate tool of external radiotherapy of deep-seated tumors. Small range and lateral scattering and the increase of the energy deposition with penetration depth are the physical basis for a more efficient tumor targeting. High biological efficiency in the tumor is the prerequisite for a successful treatment of tumors radioresistant to sparsely ionizing radiation. The possibility to perform target-conform irradiation and to control the achieved actual distribution using PET techniques guarantees that biological highly efficient stopping particles can be restricted to the tumor volume only. Although the physical and radiobiological properties of ion beams are very favorable for therapy, the necessity to produce these particles in an accelerator has restricted the general application of heavy ions up to now. Presently, the heavy ion accelerator SIS at GSI is the only source of heavy ion beams sufficient in energy and intensity for therapy in Europe. Therefore, a therapy unit is presently under construction at GSI at which the techniques and radiobiological advantages of particle beams in radiotherapy will be examined.

** Tea & coffee will be served at 16.00 hrs.*

Friday 13 October

TECHNICAL PRESENTATION

at 10.00 hrs – bldg 17/1-007

Axis Multiprotocol Printer Servers and CD-Rom Servers

by Sinisoft SA in collaboration with Gutenberg
Communications AG (CH)

Speaker: Andreas Von GUNTEN / Product Manager,
Gutenberg Communication Systems

Manufacturers: Axis Communications AB (S), Wipro
Infotech Ltd /India

- Axis Communications AB and Gutenberg Communications Systems
- Printers, Modems and CD-Roms connected to multiprotocol Networks and the related problems
- The Multiprotocol Ethernet Printer Servers NPS 550, NPS 530/532, Axis 150
- The Multiprotocol Token Ring Printer Servers NPS 650, NPS 630/632
- The IBM Compatible Printer Interfaces Axis Cobra+ and Axis AFP for IPDS Printing
- The Multiprotocol Ethernet and Token Ring CD-Rom Servers Axis 850/851 and Axis 950/951
- The Wipro Multiprotocol Communication Servers
- Other related solutions - Your Questions

Languages : English, French

Information : M. Diraison / FI-A / 4585

Friday 13 October

SEMINAR FOR CERN GUIDES

Organised by the Visits Service/DSU-CP

at 16.00 hrs – Auditorium

From the micro- to the macro-cosmos

by Alvaro de RUJULA

This seminar (in English) is especially intended for CERN guides but is open to all interested people.

Monday 16 October

EHUG HIPPI DAY AT CERN

at 09.30 – CN Auditorium, bldg 31/3-005

Conditions : This is an open meeting of the European
HIPPI User Group (EHUG), People from
CERN are welcome

- 09.30 Opening , (HIPPI for physics data-taking)
Rudy Bock/CERN
- 10.00 HIPPI at CERN an overview...
Arie van Praag/CERN
- 10.30 ... and in the computer center
Ben Segal/CERN
- 11.00 Serial HIPPI now and in the Future
Mike McGowen/Essential Comm.
- 11.45 EHUG what it is and what it aims
Peter Haas, Arie van Praag
- 12.15 **Lunch**
- 14.00 Protocols over HIPPI
John Renwick /Netstar
- 14.45 High Performance Communications in large MTU
Networks
Peter Haas/Stuttgart University

- 15.30 Solving Mass storage problems using HIPPI
Ed Calkins/Maximum Strategy
16.30 Roundtable

Information : Arie van Praag / 5034

See also the EHUG WWW page at
<http://www.cern.ch/HSI/hippi/hug/ehug.htm>

Thursday 19 October

TECHNICAL PRESENTATION

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

The StorageTek RedWood High Capacity Tape System

by Dave OSEKAVAGE / Storage Technology
Corporation, Colorado

Organiser : S. Cannon / CN / 5036

EDUCATION SERVICES EDUCATIFS

ACADEMIC TRAINING

Tel. 3127

10, 11, 13, 16, 17, 18 & 19 October

LECTURE SERIES FOR POSTGRADUATE STUDENTS

Introduction to Particle Accelerators

by E. J. N. WILSON / CERN-AC

- 10 Oct. More transverse beam dynamics (5th lecture in a series of 11)
11 Oct. Closed orbit and gradient errors (6th lecture)
13 Oct. RF Bunches, buckets, dispersion and transition (7th lecture)
16 Oct. Magnets, multipoles and resonances (8th lecture)
17 Oct. Electron dynamics (9th lecture)
18 Oct. Instabilities (10th lecture)
19 Oct. The future (11th lecture)



ENSEIGNEMENT TECHNIQUE TECHNICAL TRAINING

Monique Duval 44.60
monique_duval@macmail

Informations sur les cours, dates et places disponibles sur WWW :
Information about the courses, dates and places available on WWW :
<http://www.cern.ch/EducTech/>

Technical Seminar

There are still some places available for the seminar

Overview of the ESA Software Engineering Standards

by J. Fairclough – Cray

which will take place on

Friday 20 October 1995
(one day)

For detailed description of the seminar and the application procedure, please consult the brochure issued in August (Technical Training– page 18) or information on the WEB (see above).

INFORMATIONS GENERALES GENERAL INFORMATION

DÉMÉNAGEMENT DU SERVICE PHOTO

A cause des travaux d'agrandissement de la Bibliothèque, le Service photographique déménage provisoirement cette semaine dans les bureaux R-014 et R-016 du bâtiment 33.

Nous nous efforcerons d'offrir le meilleur service possible au personnel et aux utilisateurs du CERN, mais les difficultés seront inévitables, nous amenant à devoir fermer temporairement pendant la période de transition.

Merci de votre compréhension.

Le Labo photo
Médias & Publications

PHOTO SERVICE MOVES

As a consequence of the Library extension, the Photographic Service moves this week into temporary accommodation in offices R-014 and R-016 in Building 33.

We will endeavour to maintain the best possible service for CERN staff and users, but there will be inevitable difficulties, certainly leading to short-term closure, during the transition period.

We ask for your comprehension..

The Photographic service
Media & Publications