

SEMINARS SEMINAIRES

Tuesday 13 December

PRESENTATION

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

Oracle in Motion

by Jeremy BURTON / Oracle UK

Oracle is extending the corporate network to encompass the 'nomadic' user. Oracle In Motion is a Client-Agent-Server Software Development Kit which enables the development of truly intelligent, asynchronous and nomadic applications.

Oracle in Motion enables Microsoft Windows-based laptop computers to easily access corporate information via wireless networks, LANs and phone lines. Traditional client/server systems depended on constant client-to-server interactions that, in a wireless setting, were problematic due to speed and reliability. Oracle in Motion solves these problems by utilising the client-agent-server architecture, where "agents" act on behalf of the mobile client, even when the client is disconnected. Agents reside on the corporate network where they have high-bandwidth access to data servers. A mobile client can send electronic requests to those agents which in turn handle all communication with the database. When the requested information is returned, the agent software automatically transmits the data back to the mobile worker's computer.

Information: S. Cannon / CN / 5036

Mardi 13 décembre

PRESENTATION TECHNIQUE

14.00–16.30 hrs – bât. 17/1-007

Le nouveau Digimatik, une synergie entre un API (automate programmable) et un système de conduite de processus

par M. BENSALÉM et P. BÉTRISEY, Mannesmann / Hartmann & Braun (CH/D)

Les applications du Digimatik sont multiples: régulation, conduite de processus, surveillance, archivage des mesures, etc. Ce système peut actuellement gérer jusqu'à 4000 entrées/sorties. Sa capacité va doubler l'année prochaine. Digimatik peut communiquer avec d'autres systèmes.

Langues: français.

Renseignements: M. Diraison / FI-A / 4585

Tuesday 13 December

PRESENTATION

at 16.00 hrs – bldg 304/1-001A

Object Management Workbench

by Marcus BEHRENS / IntelliCorp GmbH & Bob JONES / CERN-ECF

OMW is a visual development environment that provides full life-cycle support from analysis and design through delivery. OMW is linked to IntelliCorp's Kappa application development tools. OMW models are fully executable and testable within the tool and code can be generated to build complete applications. The models are based on the Object-Oriented

Information Engineering methodology described in the book "Principles of Object-Oriented Analysis and Design" by James Martin ISBN 0-13-720871-5.

This presentation will give an overview of the methodology and CASE tool followed by a demonstration of some of the evaluation work that has been made in the RD13 project at CERN.

A more detailed description of the tool and method are available via WWW URL: http://rd13doc/public/doc/OMWoverview.doc_1.html. Some snapshots of the tools are available at URL: <http://www1.cern.ch/PTTOOL/Kappa/Tool.html>.

Information: S. Cannon / CN / 5036

Tuesday 13 December

ISOLDE SEMINAR

at 16.00 hrs – TH Conference Room

Search for Parity Violation in the Decay of $^{17}_2\text{-Isomer of }^{99}\text{Tc}$

by L. Muller / Department of Physics, University of Padua

The $^{17}_2\text{-isomer of }^{99}\text{Tc}$, which decays to a $^{13}_2\text{-level}$ by (M2+E3) radiation, has a $^{17}_2\text{-parity partner}$ which differs only 310 eV in energy and decays to the same daughter level by E2 emission. Parity mixing between the two levels gives rise to an asymmetric component in the gamma emission pattern. First experiments carried out at GSI and Legnaro National Laboratories (LNL) gave a non-zero result for parity violation, and a second run is planned at LNL next year.

LNL are equipped with an 15.5 MeV tandem accelerator, and a new superconducting LINAC recently went into operation. Experimental equipment, among others, a recoil mass spectrometer (where the PV experiments are carried out) and the $4\pi\gamma$ spectrometer GASP. LNL will be the first site of the European collaboration gamma spectrometer EUROBALL from 1996 on.

Wednesday 14 December

TECHNICAL PRESENTATION

10.30 to 12.30 hrs – bldg 4/S-013

Presentation on Nokia Telecommunications Activities Worldwide and in Switzerland

by Nokia Telecommunications (CH/FI)

The talk will also cover:

- base band modems
- flexible multiplexers
- synchronous digital hierarchy (SDH) products
- radiotelecom equipment (radio links, etc)
- network management products - cellular telephone systems

Information: M. Diraison / FI-A / 4585

Friday 16 December

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs - TH Conference Room

Some approaches to evaluating loop diagrams with massive and massless particles

by Andrei I. DAVYDYCHEV / University of Bergen, Norway (on leave from Institute for Nuclear Physics, Moscow State University)

Some methods and algorithms for calculation of different types of massive and massless Feynman diagrams with loops

are considered. For two-loop self-energy diagrams with arbitrary masses, algorithms for obtaining analytic expansions for small and large values of the external momenta squared are examined. An approach to evaluating massless off-shell diagrams with three and four external lines is discussed, and some exact results are presented in terms of polylogarithms (including ladder diagrams with an arbitrary number of loops). The problem of tensor reduction and irreducible numerators in three-point two-loop calculations is discussed. Magic connections between some massive and massless diagrams are derived.

EDUCATION SERVICES EDUCATIFS

Language Training ENGLISH-FRENCH

Registration for second term's language courses 94-95 : from 23 January to 07 April.

Application forms are available at the Language Training Secretariat (bldg 54/E-001), at the Users Office (bldg 60/R-020) and at your Divisional Secretariat.

These courses are open to all persons working on the CERN site and to their spouses.

For all information, please contact
Mrs Benz or Mrs Fontbonne: tel. 3127 (afternoons only);
Mr Liptow: tel. 2957. FORMATION EN langues

Formation en Langue ANGLAIS-FRANÇAIS

Les inscriptions à ces cours sont ouvertes dès maintenant pour le deuxième trimestre 94-95 (du 23 janvier au 07 avril).

Les formulaires d'inscription sont à votre disposition au Secrétariat de la Formation en Langues (bât. 54/E-001), au Bureau des Utilisateurs (bât. 60/R-020), et à votre secrétariat de division.

Ces cours s'adressent à toute personne travaillant au CERN ainsi qu'aux conjoints.

Pour toute information, veuillez contacter
Mme Benz ou Mme Fontbonne: tél. 3127 (l'après-midi seulement); M. Liptow: tél. 2957.

ENSEIGNEMENT GÉNÉRAL Tél. 5811

Jeudi 15 décembre
à 13.00 h – Amphithéâtre
Science pour tous
par Rafel CARRERAS

Dernière séance de l'année.
Reprise le 19 janvier 1995.