

SEMINARS

SEMINAIRES

Wednesday 19 April

TECHNICAL PRESENTATION

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

Object Management Workbench

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

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

Organiser : S. Cannon / CN / 5036

Lundi 24 avril

PRESENTATION TECHNIQUE

09.00-12.00 h – Bus démonstration,
parking situé près du bât. 63 (PTT)

**Matériel de base "Bosch" pour
la construction d'ensembles mécaniques**

par NEW INGENIA, équipement industriel Bosch
(CH/D)

Liste des produits : profilés aluminium "Bosch", accessoires de montage et d'assemblage, pièces d'angles, roulettes pour chariots, exemples de structures, concept de places de travail, technique de transferts gestion du flux et des informations, etc.

Applications : ateliers de montage mécanique, laboratoires (chimie, tests mécaniques, protections), électricité (cage de Faraday, protections de personnes), bâtiment (barrières d'escaliers, isoloirs, panneaux d'affichage), production (chariots serveur d'établis, convoyeurs lourds), robotique (supports de systèmes pour l'assemblage, etc.)

Langue : français

Renseignements: M. Diraison / FI-A / 4585

Monday 24 April*

TECHNICAL PRESENTATION

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

Etnoteam International

by Giuseppe SPADAVECCHIA

In today's complex world of software development, continuous product evolution requires that you manage an

ever-growing mix of versions, variants and platforms. Now, more than ever, development teams must carefully select their configuration management tools in order to remain flexible, responsive and innovative.

The presentation will take a detailed look at Configuration management issues and how a tool such as Continuous/CM (formerly known as CaseWare/CM) can address them. In particular, it focuses on how to save time and effort by improving the way in which integration and release configurations are prepared, and will examine how to improve quality by integrating defect reporting with your development process.

The presentation will show how to :

- Manage parallel development, identifying and resolving conflicting code changes as they arise.
- Resolve the problem of co-ordinating maintenance and development work.
- Deliver patches to an old release while developing a new one.
- Control multiple test and integration configurations without interrupting development work.
- Track problem reports to code changes and vice versa.
- Handle third-party code and software deliveries.
- Run a CM system which supports your software development process.
- Comply with international quality standards, such as ISO 9000.

The presentation will take approximately 40 minutes and will be followed by a demonstration of Continuous/CM which will also last 40 minutes. There will then be a time for questions and discussion.

Organiser : S. Cannon / CN / 5036

** Please note unusual day*

Monday 24 April

PPE SEMINAR

at 16.30 hrs – Auditorium

Measurement of the W mass at CDF

by David SALTZBERG / CERN-PPE

The direct measurement of the W mass is one of the few tests sensitive to new phenomena in the Electroweak Standard Model involving charged currents at high momentum transfer. A measurement of the W mass using the electron and muon decay channels of W bosons produced at the Fermilab Tevatron will be described. The mass is measured with the CDF detector, a combined magnetic spectrometer and calorimeter that allows many controls and checks of systematic effects, including the momentum and energy scales. This measurement has an uncertainty of 180 MeV, which is over a factor of two smaller than any other direct measurement.

Tuesday 25 April

TECHNICAL PRESENTATION

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

DB2 for AIX – Parallel Edition

by Bart DOZIE / IBM, AIX Group, Geneva

This presentation is an introduction to the IBM DB2 client/server exploitation of parallel technology. It describes the IBM implementation of a parallel database server using the shared-nothing hardware model and function-shipping, and how this approach provides a scalable database server that

meshes with the IBM POWERParallel architecture. Though not yet announced, DB2 for AIX - Parallel Edition has already undergone heavy duty testing at a number of customer beta sites. The results indicate outstanding capacity (over 100 Gb), scalability and performance figures.

Organiser : S. Cannon / CN / 5036

Wednesday 26 April

COMPUTING SEMINAR

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

**Central Data Recording for HERA Experiments
using a Distributed Hierarchical Mass Storage System**
by Michael ERNST / DESY

The DESY Computer Center is offering Central Data Recording Services to the HEP-Experiments performed at the various Colliders at DESY for more than 20 years. While an IBM Mainframe combined with a home grown "Online-Link" was used in the past, the recently developed scheme for serving the HERA Experiments' needs is based upon UNIX based "Data-Loggers", standard networking technology and a commercial Distributed Hierarchical Mass Storage System.

Michael Ernst is the head of a team working on Distributed Computing and Mass Storage Systems at DESY. He studied Electronics and Telecommunications at the Technical University Berlin and joined DESY in 1979. Since 1985 he is also responsible for DESY's internal and external network architecture.

Organiser : D. Kemp / CN

Wednesday 26 April

ISOLDE SEMINAR

at 16.00 hrs – TH Conference Room

**Very Proton-Rich Nuclei : Decay Studies of Interest
to Nuclear Physics and Astrophysics**
by E. ROECKL / GSI

By using the Online Mass Separator or the Projectile Fragment Separator at the heavy-ion accelerators UNILAC or SIS, respectively, the decays of very proton-rich nuclei such as ^{36}Ca , ^{37}Ca , ^{94}Ag , ^{101}Sn and ^{114}Ba were studied. The measurements were focused on β -decay properties, but included in the case of ^{114}Ba also a search for α and cluster radioactivity. The experimental data are compared to theoretical predictions, in particular to those obtained from the nuclear shell model. The results of this comparison are presented, and the relevance of the data to the astrophysical rp-process and to the calibration of the ^{37}Cl solar neutrino detector are discussed.

Jeudi 27 avril

PRESENTATION TECHNIQUE

09h00-12h00 et 14h00-17h00, bât. 17/1-007

**Mano-détendeurs, centrales à inversion et
accessoires pour la mise en œuvre des gaz de haute
et très haute pureté, gaz corrosifs, mélanges techniques
et mélanges étalons**
par Linde Gaz Industriels (F/D)

Langue : français

Renseignements : M. Diraison / FI-A / 4585

Jeudi 27 avril

PRESENTATION TECHNIQUE

09h00-17h00 – parking bât. 907, site de Prévessin

**Démonstration de décontamination
par projection de billes de glace**
par Linde Gaz Industriels, Division Cryoclin (F/D)

Langues : anglais, français

Renseignements : M. Diraison / FI-A / 4585

Jeudi 27 avril

PRESENTATION TECHNIQUE

à 10.00 h – bât. 582/R-010

**"Baghera", un logiciel d'archivage et de
consultation de données techniques multimedia**
par A. LABAT / PDG Espri Concept France

Baghera est un logiciel d'archivage et de consultation de données techniques multimedia, permettant un accès à partir d'un modèle graphique 3D à des documents, plans, photos, modèles mathématiques, modèles CAO, vidéo, etc.

Baghera gère différents points de vues métiers et différents profils d'utilisateurs.

Espri Concept, qui réalise et commercialise Baghera, présentera, à l'occasion de la démonstration, un prototype d'interface entre Baghera et W3.

Organisateur : S. Cannon / CN / 5036

Thursday 27 April

CERN COLLOQUIUM

at 16.30 hrs – Auditorium*

Early development of neutron scattering
by C.G. SHULL / MIT, Nobel Laureate in Physics 1994

A description of the early experiments and instrumentation problems starting in 1946 that led to the use of neutron scattering as a tool in augmenting and extending x-ray scattering from materials.

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