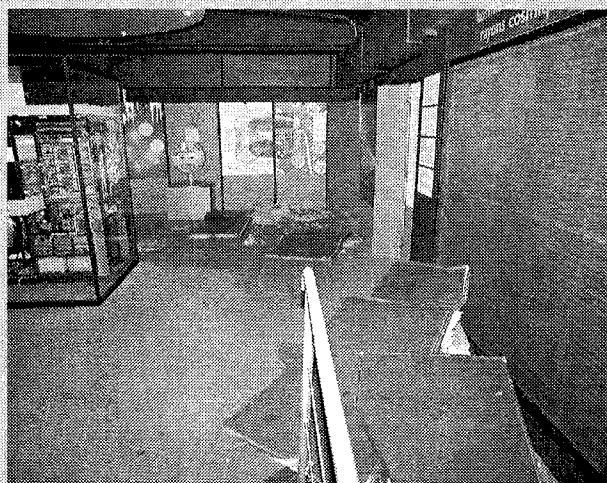
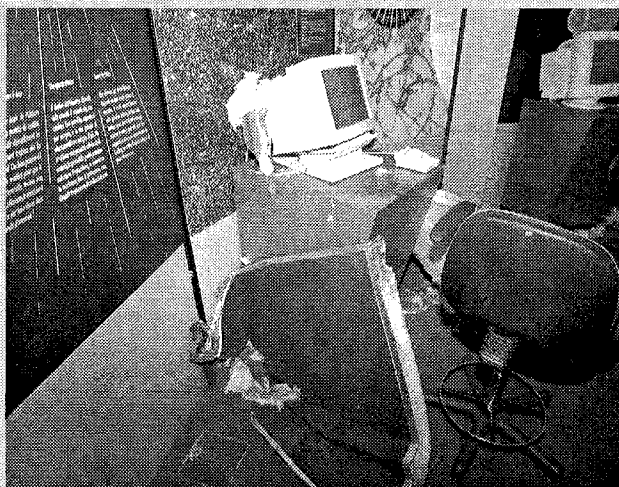


Tempêtes au Microcosm

Les tempêtes du week-end dernier ont endommagé le toit du Microcosm qui sera donc fermé pendant les réparations et le nettoyage de l'exposition.

Sa réouverture est prévue d'ici à deux semaines. Nous vous remercions de bien vouloir contacter le 78484 avant de planifier une visite. Vous pouvez aussi consulter nos pages web à l'adresse: <http://www.cern.ch/microcosm>.



Storms at the Microcosm

Last weekend's storms damaged the Microcosm roof and the exhibition is closed while cleaning and repairs are carried out.

It is expected to re-open in a couple of weeks, please call 78484 before arranging a visit or consult the web pages <http://www.cern.ch/microcosm>.

SEMINARS SEMINAIRES

Tuesday 17 August

DUALITY WORKSHOP

at 14.00 hrs – TH Conference Room

The many facets of Nahm's duality transformation

by P. VAN BAAL / Leiden

The Nahm transformation maps $SU(N)$ self-dual gauge fields of charge k on a torus, to $SU(k)$ self-dual gauge fields of charge N on the dual torus. It forms an involution that preserves metric and hyperKähler structure of the instanton moduli spaces. It can be put to practical use by observing that charge 1 instantons are mapped to an abelian problem, and that non-compact directions (infinite periods) lead to dimensional reduction on the dual torus. Intricate relations have been found, partly based on numerical studies and partly on analytic results, whose usefulness may extend beyond gauge theory applications. We give an overview over the results that have been obtained and the problems that still need to be resolved.

Tuesday 17 August

IT INFORMATICS TUTORIAL

14.00-16.00 hrs – IT Auditorium, bldg 31/3-004

The Java Series: I/O, Object Serialization and Persistence

by Raul RAMOS POLLAN / CERN-IT

The tutorial will describe the building blocks behind the processes of getting information into your program and

Vous pouvez aussi consulter

For information on these seminars, please see

<http://wwwas.cern.ch/Bulletin/Seminars/current.html>

sending it out again through the use of the stream classes in the standard java.io package. Streams are a useful way to handle information flowing in and out of your program in an homogeneous way (to read/write the file system, memory locations, through network connections, etc.). They also provide the basis to implement lightweight object persistence: objects can be easily sent and received through streams, with which we can store and retrieve objects from files, from the network, etc.

The tutorial will focus on the main mechanisms behind the usage of stream, with significative examples of each aspect. It is a must for those wanting to follow the next tutorial of the Java Series on Network Programming.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

Wednesday 18 August

IT INFORMATICS TUTORIAL

14.00-16.00 hrs – IT Auditorium, bldg 31/3-004

Library Computing Talk. The CERN Document Server Link Manager

by David MCGLASHAN,

Jean-Yves LE MEUR / CERN-AS

Storing Web addresses in a database is very awkward because document URLs may change and become out of date. To avoid this trap within the CERN library databases, we have developed a Link Manager called "Setlink". All

electronic documents kept in the library system (more than 400K) are uniquely identified by a long-term URL, pointing to a program which finds out the real location of files. When the storage system changes or files are renamed, the Link Manager is simply updated and all the URLs remain valid.

This talk will stress the importance of using a Link Manager for any long-term Web server. It will explain how the Setlink Link Manager is designed to handle a wide range of document types and formats, from photos in JPEG to eprints in PDF. We will describe the method used on the library database side and we will outline the flexible "Setlink" architecture. Some examples will be demonstrated. Finally, we will focus on other possibilities offered by using such an application, like automatic figures extraction or concatenation, fulltext searching and on-the-fly format conversions.

The talk may be especially interesting to people setting up electronic catalogues or writing a Web interface to a database system.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

Thursday 19 August

IT INFORMATICS TUTORIAL

10.00-12.00 hrs – IT Auditorium, bldg 31/3-004

JPrint and the New Printing Architecture at CERN

by Renaud BARATE / CERN-IT

Jprint is a new Java 2 application for printing for UNIX users in CERN. It provides the same printing functionalities as lpr or xprint with a friendly graphic user interface. It also allows the printers administrators to control the printing queues easily.

This seminar will give an overview of the new printing architecture in CERN and then describe the jprint tool: usage, structure, protocol implemented (RFC1179).

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

EDUCATION SERVICES EDUCATIFS



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

Tuesday 24 August

IT INFORMATICS TUTORIAL

14.00-16.00 hrs – IT Conference Room bldg 600/R-017

The Java Series: Network Programming and Security

by Raul RAMOS POLLAN / CERN-IT

This tutorial will introduce the fundamental mechanisms with which to incorporate TCP and UDP based communications in your Java programs, including interaction through HTTP so that your Java programs can communicate with existing Web servers.

It will also introduce the basic ideas involved in safe document and code interchange, explaining the concepts of digital signatures, certificates and encryption and presenting the tools available in Java to include this functionality in your programs.

The tutorial is aimed at anyone with basic working knowledge of Java. Familiarity with the Java stream classes would be convenient for the first part of the tutorial.

Please, note the unusual location of this tutorial.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

Friday 27 August

IT INFORMATICS TUTORIAL

14.00-16.00 hrs – IT Auditorium, bldg 31/3-004

The Java Series: Introduction to JDBC

by Raul RAMOS POLLAN / CERN-IT

This tutorial will explain how to make your programs access and interact with external or remote databases through the Java DataBase Connectivity (JDBC) interface. Through JDBC your Java programs are able to access a wide range of databases in an homogeneous way, making it very easy and straight forward to interact with any database to retrieve, modify and manipulate the data.

The tutorial requires some working knowledge of the Java language. Basic notions of databases and SQL would also be convenient although they will be briefly explained.

Information: <http://wwwinfo.cern.ch/support/training>

Organisers: M.Marquina and R.Ramos /IT-User Support

SUMMER STUDENT LECTURES

<u>DATE</u>	<u>TIME</u>	<u>TITLE</u>
This week		
Mon. 16 August	09.15	Students' Session
	10.15	Course Review
	11.15	Course Review

Further information can be obtained on the Web at the following URL:
<http://www.cern.ch/CERN/Divisions/PE/HRS/Recruitment/summ.html>