

SEMINARS

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Tuesday 10 August

DUALITY WORKSHOP

at 14.00 hrs – TH Conference Room, bldg 4

Non-commutative Geometry and Duality

by A. SCHWARZ / UC Davis

Tuesday 10 August

IT INFORMATICS TUTORIAL

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

The Java Series. GUI Building with AWT

by Raul RAMOS POLLAN / CERN-IT

Will tell you about the pieces the Java environment provides for building Graphics User Interfaces (GUIs). It introduces you to the graphical UI components and other UI-related classes provided in the Java environment.

It also gives an overview of how programs display themselves and how they handle events such as mouse clicks. It also provides a brief explanation of the graphical components present in the AWT library.

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

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

Wednesday 11 August

THEORETICAL SEMINAR

at 14.00 hrs – TH Conference Room, bldg 4

Scattering and locality in the AdS/CFT correspondence

by Steve GIDDINGS/ UCSB, USA

A crucial - and profound - question in the AdS/CFT correspondence regards the emergence of approximate locality in the bulk. This question drives at the essence of the holographic proposal. To investigate this question, one first needs a means of extracting information in the bulk theory from the boundary CFT. I'll discuss some of the issues in deriving a flat-space S-matrix from the CFT, and will also give some preliminary discussion about how bulk locality might be tested.

Wednesday 11 August

IT INFORMATICS TUTORIAL

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

Library Computing Talk. The Electronic Document Submission

by Thomas BARON, Jean-Yves LE MEUR /CERN-AS

EDS is a configurable Web-based tool to enable the capture of meta data and the transfer of documents from an author or "Submitter" to the CERN Document Server. It deals with many different document types, like press cuttings, e-books, preprints, photos, etc. A wide range of publishing operations are offered, like document transfer, modification of the meta-data already submitted, sending of revised versions, request for approval and other functions for ensuring the best possible diffusion of released documents.

Vous pouvez aussi consulter

For information on these seminars, please see

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

First, a short demonstration will be done of the existing software. We will then explain how the interface is built from a MySQL database and how this database is configured to ease and speed up the introduction of any new kind of document. We will finally describe how the information and the fulltext documents are handled from their submission to their availability on WebLib.

The talk is open to everyone. Users of EDS can improve their knowledge of the tool. The talk may be especially interesting to people setting up electronic catalogues or writing a Web interface to database system.

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

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

Thursday 12 August

THURSDAY SEMINAR

at 14.00 hrs – TH Conference Room, bldg 4

Soft Supersymmetry Breaking

by D.R.T. JONES / University of Liverpool

Exact results for the soft supersymmetry breaking b-functions are reviewed, and used to derive ("bottom-up") the superconformal anomaly-inspired results for the soft parameters, and a distinct RG-invariant solution for the finite case.

Classes of soft masses and interactions that are not usually considered, both in general and in the MSSM context are explored. Preliminary results for the effect on the sparticle spectrum of such theories are presented. A new class of (at least) one-loop finite theories is constructed. The infra-red stability of fixed points in the evolution of the Yukawa couplings, A-parameters and soft masses is investigated. In a wide range of physically interesting theories it is shown that, in the asymptotically free case, the existence of stable IR fixed points for the Yukawa couplings implies stable IR fixed points for the A parameters and soft masses.

Friday 13 August

MEETING ON PARTICLE PHYSICS PHENOMENOLOGY

at 14.00 hrs – TH Conference Room, bldg 4

NNLO QCD Corrections to the Forward-Backward Asymmetry

by Mike SEYMOUR / Rutherford Laboratory

We calculate the second-order QCD corrections to the forward-backward asymmetry in e^+e^- annihilation. Using the quark axis definition, we do not agree with either existing calculation, but the difference relative to one of them is small and understood. In particular, we point out that the forward-backward asymmetry of massive quarks is enhanced by logarithms of the quark mass. This implies that the forward-backward asymmetry of massless quarks is not computable in QCD perturbation theory and affected by non-power-suppressed corrections coming from the non-perturbative fragmentation functions. We also calculate the second-order corrections using the experimentally-preferred thrust axis definition for the first time.

Friday 13 August

IT INFORMATICS TUTORIAL

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

The Java Series. GUI Building with Swing

by Raul RAMOS POLLAN / CERN-IT

The Swing Java package contains all the components that you expect to see in a modern User Interface, from buttons that contain pictures to trees and grids. It is a big library but it's designed to have the appropriate complexity for the task at hand - if something is simple you don't have to write much code to get it done, but if you want the power to manipulate and deeply customize it you also have it.

This tutorial will introduce you to the basic set of components that Swing provides and to the mechanisms behind them. It will provide an overview of what you can do with Swing, even if you are new to GUI programming. However, if you want to follow closely the mechanisms behind what's being explained, it is convenient to have some basic knowledge of the main concepts of Java AWT (class hierarchy and event model) as provided by the previous tutorial of the Java Series.

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

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

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 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)

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

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