

Managing Events with Indico



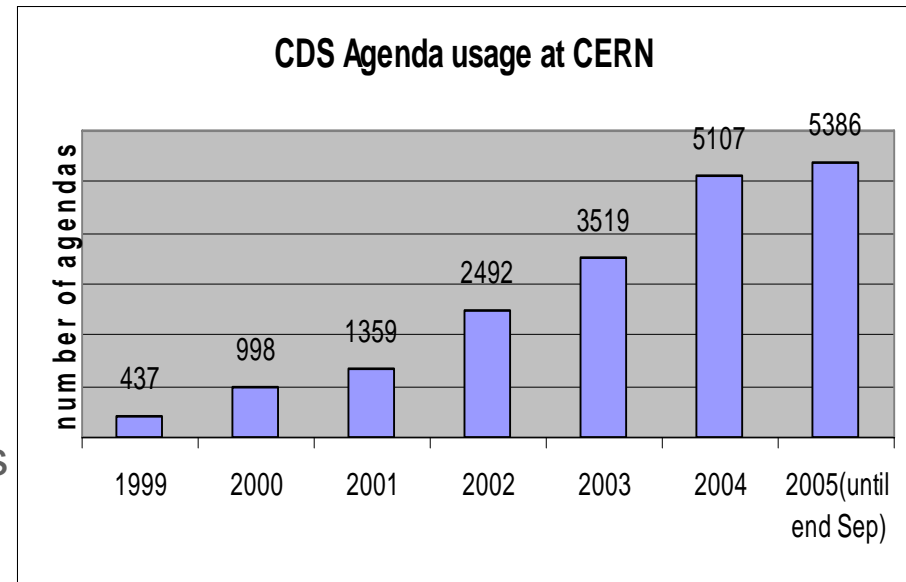
Outline

- ☉ Project history
- ☉ Indico Main Features
 - ☉ Conference Management
 - ☉ Meeting Management
 - ☉ Lecture Management
 - ☉ Planning/Archiving
- ☉ Future Developements

Project History - Yesterday

© CDS Agenda:

- ✓ Created in 1999 following a request by ATLAS
- ✓ Stores timetable of events and related files
- ✓ At CERN: used by various projects, departments, experiments and committees



- ✓ <http://agenda.cern.ch>
- ✓ Hosts mainly seminars, meetings and small conferences

TOO LIMITED SCOPE

Project History - Today

© Indico (Integrated Digital Conference)

- ✓ European project: 2002-2004
 - ✓ Partners:
 - ✓ Italy: SISSA, University of Udine
 - ✓ Holland: TNO TPD, University of Amsterdam
 - ✓ CERN
- ✓ In production at CERN since 2004 (first time use: CHEP'2004)
- ✓ Currently hosts >50 conferences
- ✓ Usage is growing fast
- ✓ <http://indico.cern.ch>
- ✓ Current migration of CDS Agenda events to Indico

Technical Details

- ☉ main development platform: Python
- ☉ runs on an Apache web application server using the Python module (mod_python)
- ☉ Uses the Zope Object Database (ZODB) for storing conferences metadata
 - ☉ Object Oriented database implemented in Python
- ☉ The submitted files and archives are directly stored on the server's file system
- ☉ HTML 4.0
- ☉ XML + XSLt for timetable generation
- ☉ Interfaces:
 - ☉ Web, OAI (Open Archive Initiative) protocol for metadata harvesting
 - ☉ Tested on Windows, linux

Indico is distributed under the GNU General Public License
and is fully open source

Features: Conference Management

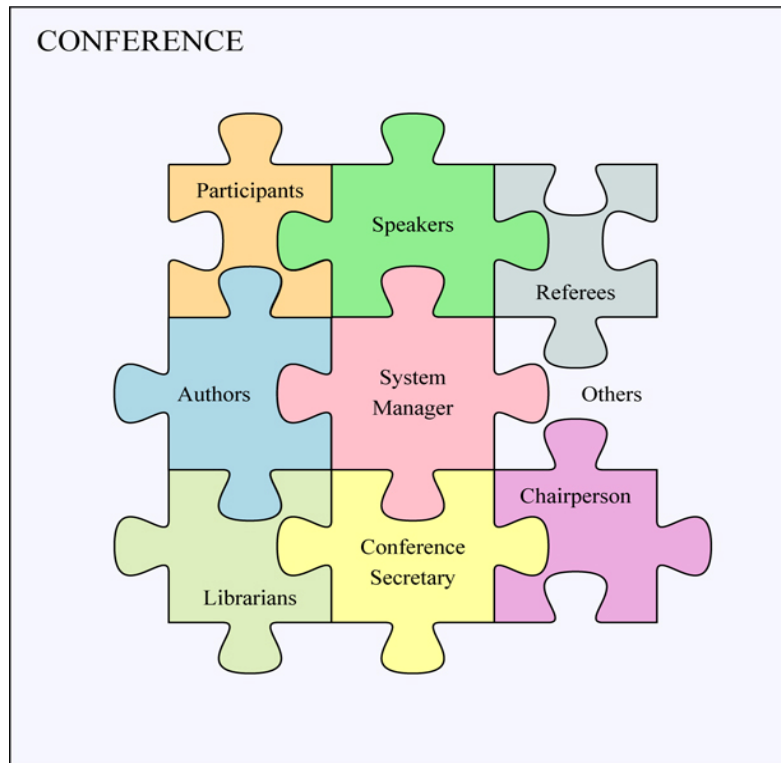
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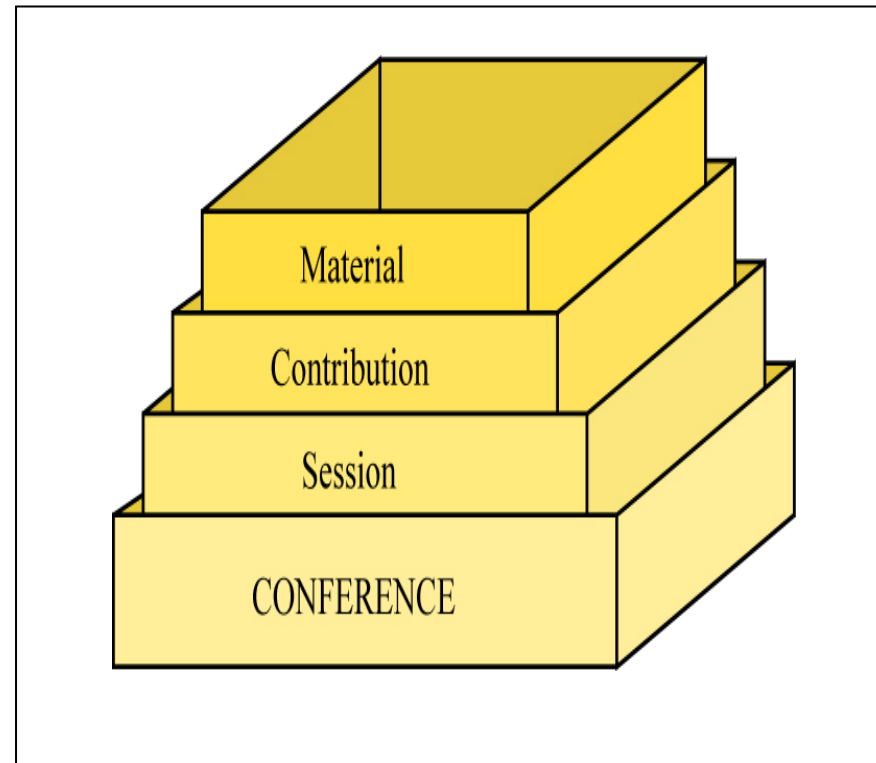


Features: Conference Management

☺ A complex event...



human



logical

Features: Conference Management

© ...with a lot of processes

- 
- > **Web Site Management**
 - > **Conference Program Definition**
 - > **Attendant Registration**
 - > **Call for Abstract**
 - > **Abstract Selection**
 - > **Material Submission**
 - > **Timetable Setup**
 - > **Electronic Proceedings**
 - > **Long term archive**



Features: Conference Management

- ☉ Indico helps managing all these processes by providing:
 - ✓ A **customizable web portal** for the conference
 - ✓ **Dedicated interfaces** for all the actors of the conference
 - ✓ **File storage** at all levels
 - ✓ Various listings (contributions, authors, speakers, registrants...) and communication means.
 - ✓ Export mechanisms (iCal, PDF, XML, Excel)

Features: Conference Management



The screenshot shows a web page for an "International Workshop on African Research & Education Networking". The page features a navigation menu on the left with links to various sections, a main content area with a description of the workshop, and a sidebar with contact information. The workshop is organized by CERN, ITU, and the United Nations University (UNU) in cooperation with several other organizations. The dates are from 25 September 2005 to 27 September 2005, and the location is CERN in Geneva, Switzerland. The room is the Council Chamber, and the chairs are Dr. Hoffmann and Hans Falk.



International Workshop on African Research & Education Networking

25-27 September 2005 CERN

- Workshop Website
- List of registrants
- Author index
- Overview**
- Contribution List
- Speakers Index
- Scientific Programme
- Timetable
- Book of abstracts [PDF]

 [support](#)

Home

The workshop is jointly organized by CERN, ITU and the United Nations University (UNU) in close cooperation with DANTE, IDRC, IEEAF, Internet2, ISOC, RENATER, TERENA and UNESCO. The Norwegian Agency for Development (NORAD) is funding a feasibility study for the African University Network (AFUNET) as a practical response to the World Summit on Information Society (WSIS) Plan of Action. AFUNET's main objective is to enhance the capabilities of African academic and scientific institutions to take advantage of the opportunities associated with the emergence of the global information society.

Dates: from 25 September 2005 08:00 to 27 September 2005 18:00

Location: CERN


Geneva, Switzerland

Room: **Council Chamber**

Chairs: **Dr. HOFFMANN, Hans Falk**

None

Features: Conference Management



Integrated Digital Conference

Management Area

© BARON, Thomas - [logout](#)

[Home](#) > [Conferences](#) > [International Workshop on African Research & Education Networking](#)

Conference [International Workshop on African Research & Education Networking](#)

Main	Programme	Contributions	Timetable	Book of Abstracts	Call for Abstracts	Abstracts	Access Control	Archiving	Registration Form	Registrants	Display	Listings	Tools
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Title International Workshop on African Research & Education Networking

Description The workshop is jointly organized by CERN, ITU and the United Nations University (UNU) in close cooperation with DANTE, IDRC, IEEAF, Internet2, ISOC, RENATER, TERENA and UNESCO. The Norwegian Agency for Development (NORAD) is funding a feasibility study for the African University Network (AFUNET) as a practical response to the World Summit on Information Society (WSIS) Plan of Action. AFUNET's main objective is to enhance the capabilities of African academic and scientific institutions to take advantage of the opportunities associated with the emergence of the global information society.

Place CERN

Geneva, Switzerland

Room: Council Chamber

Start date Sunday 25 September 2005 08:00

End date Tuesday 27 September 2005 18:00

Additional info

Support email olivier.martin@cern.ch

Default style --not set--

Visibility up 999 levels

Chairpersons [Dr. HOFFMANN, Hans Falk](#)

Management features

Enabled feature

Disabled feature

[Call for abstracts](#)

[Registration Form](#)

Status

Features: Meeting Management

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Features: Meeting Management

- ☉ Less actors, processes, complexity
- ☉ Same core, simplified interfaces

Features: Meeting Management

category | view: Indico style | manage BARON, Thomas - [logout](#)

"IT-UDS Group Meeting" Thursday 25 August 2005 from 10:00 to 10:30
chaired by [Tim Smith \(CERN\)](#) at CERN ([513-1-024](#))

Time Table:


[Thursday 25 August 2005](#)

Thursday 25 August 2005

[top](#)↑

10:00	Introduction (10) (transparencies)	Tim Smith (CERN)
10:10	Video Conferencing with VRVS (10) (transparencies)	Joao Correia Fernandes
10:20	Discussion (05)	
10:25	Using Illustrator files with Powerpoint (10)	Darudh Birker
10:35	Discussion (05)	
10:40	Supporting the DG Office (10) (more information ; transparencies)	Tony Shave
10:50	Discussion (05)	
10:55	IT BookShop; Past, Present and Future (10) (transparencies)	Roger Woolnough and Jutta Megies
11:05	Discussion (05)	

Features: Meeting Management




Integrated Digital Conference

Management Area

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[Home](#) > [Departments](#) > [IT](#) > [Groups](#) > [UDS](#) > [Group Meeting](#) > [IT-UDS Group Meeting](#)

Meeting **IT-UDS Group Meeting** 

Main | [Timetable](#) | [Access Control](#) | [Listings](#) | [Tools](#)

Title IT-UDS Group Meeting

Description

Place CERN

Room: 513-1-024

Start date Thursday 25 August 2005 10:00

End date Thursday 25 August 2005 10:30

Additional info

Support email --not set--

Chairpersons Text

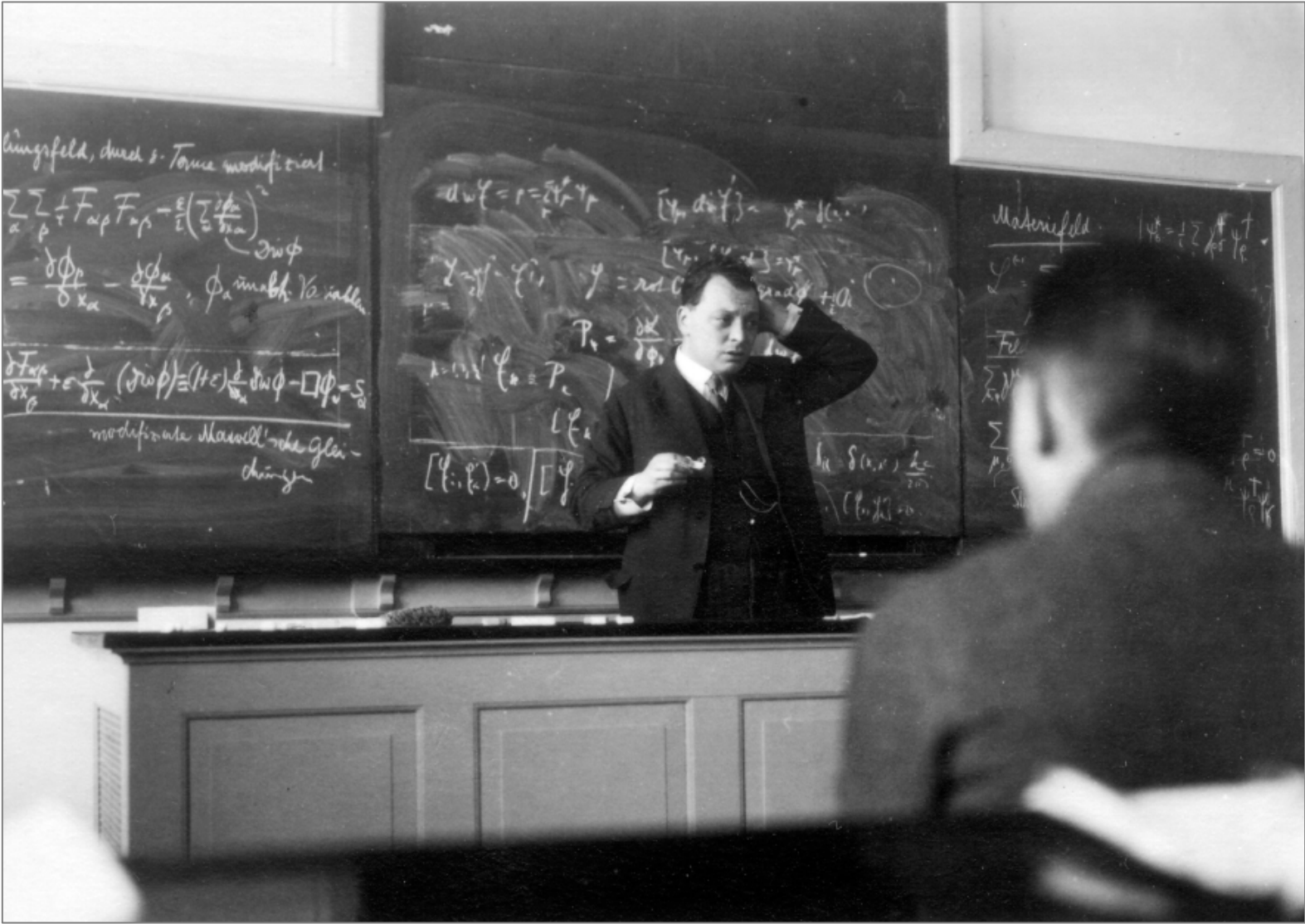
Visibility up 999 levels

Default style CDS Agenda style

Chairpersons **SMITH, Tim**

Features: Lecture Management

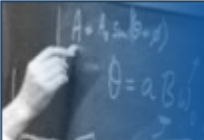
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Features: Lecture Management

category ▶▶ | view: Lecture | manage ©BARON, Thomas - [logout](#)



"CDS Search Technology"

by *Jean-Yves Le Meur (CERN)*

Presentations

Friday 06 February 2004


from **09:30** to **10:30**

at CERN ([513-1-024](#))

Description: In a first part, Jean-Yves Le Meur introduces CERN Document Server Search module, its history, scope and software architecture. In a second part, Tibor Simko details the search technology itself, its index design and some performance issues.

Material: [minutes](#) [transparencies](#)

Features: Lecture Management



Integrated Digital Conference

Management Area

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[Home](#) > [Departments](#) > [IT](#) > [Groups](#) > [UDS](#) > [Presentations](#) > [CDS Search Technology](#)

DISPLAY **Lecture** [CDS Search Technology](#)

Main | [Access Control](#) | [Tools](#)

Title CDS Search Technology

Description In a first part, Jean-Yves Le Meur introduces CERN Document Server Search module, its history, scope and software architecture. In a second part, Tibor Simko details the search technology itself, its index design and some performance issues.

Place CERN

Room: 513-1-024

Start date Friday 06 February 2004 09:30

End date Friday 06 February 2004 10:30

Additional info

Support email --not set--

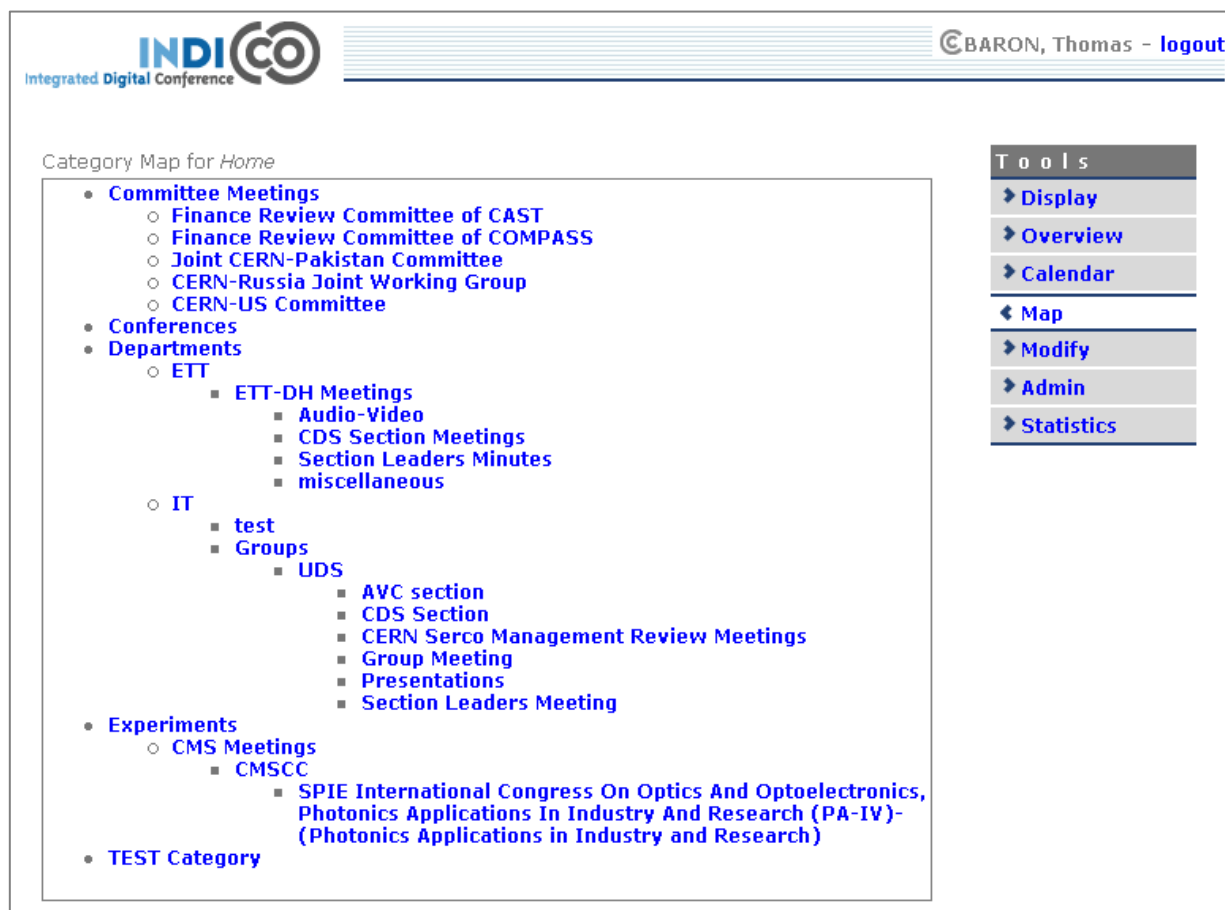
Chairpersons Text

Default style Lecture

Visibility up 999 levels

Features: Planning/Archiving

- ☉ One server – Many events of various sizes
- ☉ Hierarchical organisation: tree of categories to classify the events



The screenshot displays the INDI CO website interface. At the top left is the INDI CO logo with the text "Integrated Digital Conference". At the top right, it shows the user name "BARON, Thomas" and a "logout" link. Below the header, the main content area is titled "Category Map for Home" and contains a hierarchical tree structure of categories. To the right of this tree is a "Tools" menu with several options.

Category Map for Home

- **Committee Meetings**
 - Finance Review Committee of CAST
 - Finance Review Committee of COMPASS
 - Joint CERN-Pakistan Committee
 - CERN-Russia Joint Working Group
 - CERN-US Committee
- **Conferences**
- **Departments**
 - ETT
 - ETT-DH Meetings
 - Audio-Video
 - CDS Section Meetings
 - Section Leaders Minutes
 - miscellaneous
 - IT
 - test
 - Groups
 - UDS
 - AVC section
 - CDS Section
 - CERN Serco Management Review Meetings
 - Group Meeting
 - Presentations
 - Section Leaders Meeting
- **Experiments**
 - CMS Meetings
 - CMSCC
 - SPIE International Congress On Optics And Optoelectronics, Photonics Applications In Industry And Research (PA-IV)- (Photonics Applications in Industry and Research)
- **TEST Category**

Tools

- ▶ Display
- ▶ Overview
- ▶ Calendar
- ◀ Map
- ▶ Modify
- ▶ Admin
- ▶ Statistics

Features: Planning/Archiving

☉ Various handy temporal views:

Overview for Home

Period: day 26 september 2005 Detail: agenda apply

Key:

<< < Monday 26 September 2005 > >>

08:00	- Pixel part of ID week (Kevin Einsweiler) (CERN)
09:00	- ATLAS Software & Computing Workshop (Dario Barberis & David Quarrie) (CERN)
09:00	- IMMW 14 (CERN - Geneva - Switzerland)
09:00	- ID week (Leonardo ROSSI) (CERN)
13:00	- COD-4 Meeting (P. Strange/H. Cordier) (Cosener's House, Abingdon)
14:00	- Software week (Nick Brook) (CERN) (2-r-30)
14:00	- Operations meeting (Nick Thackray) (CERN)
14:00	- Operations meeting (Nick Thackray) (CERN)
14:00	- JRA3 status meeting (EDLUND, Ake) (Phone meeting)
15:00	- Atlas Monte Carlo meeting (Hinchliffe, I.; Kersevan, B) (CERN) (40-R-B10)
16:00	- Data Quality Monitoring (BARTALINI, Paolo) (CERN) (40-4-C01)

overview

Calendar

Options

Display next 2 months over 3 columns starting 9 2005 apply

Color Legend

Committees Conferences Departments Experiments Projects Multiple change

September 2005							October 2005						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4					1	2	
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30			24	25	26	27	28	29	30
							31						

calendar



Features: Security

- ☉ Indico local Login or plug-in to existing authentication mechanism (eg. NICE at CERN, Grid certificates...)
- ☉ Protection possible at all levels (from whole categories to single files)
 - ☉ Domain-based
 - ☉ Password-based
 - ☉ User-based
- ☉ Flexible delegation of responsibilities

Future Developements

- ☉ Planned developement:
 - ✓ Fulltext search
 - ✓ Proceedings creation improvement
 - ✓ Internationalization (in collaboration with IN2P3/EPFL)
 - ✓ Action List manager
- ☉ A goal for CERN: Organise the event 100% from Indico (avoiding searching for several tools)
 - ✓ Closer integration with other conferencing services: room booking, resource booking, video-conferencing (VRVS, CERN MCUs), audioconference, seminar recording...
- ☉ Indico live usage:
 - ✓ Collaborative features: instant messaging/chat and presence
 - ✓ Webconferencing

Summary

- © Long-term archival of the events information and related files
- © Typical Use Cases
 - © [Conferences](#)
 - © [Workshops](#)
 - © [Committee Meetings](#)
 - © [Group/Section Meetings](#)
 - © [Seminars](#)
- © Many additional features

QUESTIONS And DEMO

- ☉ Production@CERN: <http://indico.cern.ch>
- ☉ Contact: <mailto:indico-support@cern.ch>