

# Linear Accelerator Conference 2004

## Experience with the SPMS\*

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**Michaela Marx, DESY**

\*SPMS = Scientific Program Management System



Conference Site

# Overview



Conference Hotel

- The LINAC04 Specialties
- SPMS Installation at DESY
- Reasons for using the SPMS for the LINAC 04
- Tricks and Traps for adapting the SPMS to the LINAC04 requirements
- Naming convention for contributions
- Assignment of Paper IDs
- System Parameters
- Problems during and after the conference
- Points to discuss
- Acknowledgements



# The LINAC04 Specialties

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- “Small” conference with
  - 300 participants
  - 45 invited oral contributions
  - ~220 poster presentations
- Conference by invitation only
- No parallel sessions
- Invited oral presentations in the morning and early afternoon, poster sessions in the afternoon
- Traditional naming convention for Paper IDs

# Reasons for using the SPMS for the LINAC04 (1)

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Decision was made after last JACoW meeting at Trieste in Dec 2003

- Great advantage to have a ready to use repository with the authors' profile data and affiliations
- Convincing and easy to use front-end for managing contributions
- Experienced editors: Most of the editors for the LINAC conference had used a web-based system for paper processing at the PAC03 in Portland which was similar to the SPMS front-end

# Reasons for using the SPMS for the LINAC04 (2)

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- It had already been decided that the LINAC04 conference proceedings should be published on the JACoW website
- Considerable support was offered by the DESY IT group for the setup of an Oracle database server, the web pages and for local assistance during the conference in Lübeck
- Volker Schaa provided scripts for generating an abstract booklet and the proceedings

# SPMS Installation at DESY

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- Setup of the Oracle database server and the implementation of the repository started in January 2004
- Abstract submission was possible in February
- Software was implemented in stand-alone mode with a local copy of the JACoW repository

System Parameters → SPMS Configuration → Standalone database: Yes

- For the abstracts the EPAC session/classification style was assigned to select a main and a sub classification

System Parameters → Conference

→ Session/Classification Assignment Style: EPAC

# Tricks and Traps for adapting the SPMS to the LINAC04 Requirements (1)

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LINAC04 conference was by invitation only, but ...not all authors in the database were invited... Therefore it was necessary to **specify the conference invitees** by hand!

This has been done **626** times for the LINAC04.

Starting from the Administrator Pages follow the link **Specify Conference Invitees.**

Search for the invitee by name, affiliation or institute and set the appropriate flag to 'yes'.

**The following profiles match your search criteria.**

Select	Full Name	Affiliation	Email Address
Yes 	Hans Weise	Deutsches Elektronen-Synchrotron (DESY)	hans.weise@desy.de

# Tricks and Traps for adapting the SPMS to the LINAC04 Requirements (2)

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**Problem:** Many participants of LINAC04 already had an account in the JACoW repository, but we had no access to

To have full control of usernames and passwords all invitees were supplied with a personal username and password to submit an abstract and to upload the papers.

It was necessary to reset the access data for each invitee in the database manually (626 times).



# Naming Convention for Contributions (1)

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Conference chairman required traditional LINAC naming convention for the contributions

- Oral presentations, e.g. on Monday

MO1.., MO2.., MO3..

where ".." is a placeholder for a **two-digit** Paper-ID and

1 = early morning session  
2 = late morning session  
3 = early afternoon session

- Poster presentations, e.g., on Monday → MOP..

**Problem:** Paper IDs with three-digits were generated automatically.  
It was only possible to set the IDs for oral contributions by hand.

**Workaround:** Patch #18, which allowed the manual entry of paper IDs

# Naming Convention for Contributions (2)

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In order to be able to add or insert paper IDs for latecomers it was very helpful to have the possibility to enter them manually.

To set the exact number of digits for the paper ID follow the link named

[System Parameters](#) -→ [Conference](#)

from the Administrator Pages and set

-→ Paper ID Oral Sequence Length: 2

-→ Paper ID Poster Sequence Length: 2

# Assignment of Paper IDs (1)

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To assign a paper ID to a contribution it is necessary to define the presentation codes first.

From the Administrator Pages follow the link [Presentation Code](#) to enter presentation codes like:

<u>Code</u>	<u>Description</u>	<u>Type</u>
1	Morning Session	Oral
2	Late Morning Session	Oral
3	Early Afternoon Session	Oral
P	Poster	Poster

The location codes are also not part of the LINAC04 paper IDs.

To uncouple the location code from the paper ID

follow the link [System Parameters](#) -> [Conference](#)

-> Location Code in Program Code: [No](#)

# Assignment of Paper IDs (2) (Edit Abstract Panel)

**LINAC 2004 Abstract - Mozilla**

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop [http://sprms.desy.de/pls/jacow/JACoW.edit\\_abstract\\_editor?abs\\_id=1665](http://sprms.desy.de/pls/jacow/JACoW.edit_abstract_editor?abs_id=1665) Search Print

Home Bookmarks

Fields marked with an "\*" are required.

**Abstract Title\***

**Presentation Type\***  **Select the presentation type first**

**Main Classification\***

**Sub Classification\***

**Abstract\*** Abstracts should not exceed 1200 characters.

Using the PARMILA code running under PC-WINDOWS, the present performance of the Fermilab Drift Tube Linac has been analyzed in the light of new demands on the Linac/Booster complex (the Proton Source).

**Footnotes**

FR1 - Friday Morning Session  
FR2 - Friday Late Morning Session  
**MOP - Monday Poster Session**  
M01 - Monday Morning Session  
M02 - Monday Late Morning Session  
M03 - Monday Early Afternoon Session  
THP - Thursday Poster Session  
TH1 - Thursday Morning Session  
TH2 - Thursday Late Morning Session  
TH3 - Thursday Early Afternoon Session  
TUP - Tuesday Poster Session  
TU1 - Tuesday Morning Session  
TU2 - Tuesday Late Morning Session  
TU3 - Tuesday Early Afternoon Session  
WE1 - Wednesday Morning Session  
WE2 - Wednesday Late Morning Session

**Funding Agency**

Inc, under contract #2-AC02-76CH03000 with

**Date/Time/Location**

**Session Seq #**  **Enter a two-digit paper number here**

**Streaming Video URL**

[Back to Abstract Summary](#)

Please contact the [LINAC 2004 Database Administrator](#) with questions, problems, and/or suggestions.  
Web Author: Matt Arena — Fermi National Accelerator Laboratory

15-JUN-04 09:56 UTC+01:00  
JACoW SPMS Version 1.017  
[JACoW Legal and Privacy Statements](#)

# LINAC2004 System Parameters

## LINAC 2004 System Parameters

Michaela Marx

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[Home](#)

[Editors' Home](#)

[Search](#)



Conference [URLs](#) [Email](#) [Web Configuration](#) [SPMS Configuration](#) [Image URLs](#) [Post Conference](#)

Accepting Abstracts	<a href="#">Yes</a>	Controls users' ability to create new abstracts. Set to "No" during setup, prior to the opening of a conference. Set to "Yes" once the conference opens. Set to "No" again when the program committee begins their review process.
Accepting File Uploads	<a href="#">Yes</a>	Set to "Yes" to allow users' to upload their papers and associated documents. Paper IDs must be assigned in addition to setting this parameter to "Yes".
CC New Affiliation Request to Editor	<a href="#">No</a>	If set to Yes the conference administrator is CCed on all email sent regarding requests for new affiliations.
Conference Length in Days	<a href="#">5</a>	Controls the popup list in the Session Maintenance screen.
Conference Location	<a href="#">Luebeck, Germany</a>	Used in XML output.
Conference Start Date	<a href="#">08/16/2004</a>	The date of the first day of the conference. It controls the day-of-week popup list in session maintenance.
Conference Title	<a href="#">LINAC 2004</a>	The short name of your conference. It displays at the top of every page generated by the database.
Freeze User Updates to Abstracts	<a href="#">No</a>	Prevents users from updating their abstracts. Usually set at the conclusion of a conference to prevent changes prior to the generation of the conference CD and export files for the JACoW and SPIRES search engines.
Invitation Only Conference	<a href="#">Yes</a>	Set to "Yes" to prevent creation of abstracts from non-invited attendees. Use the "Specify Conference Invitees" link on the Administrators' home page to identify invited guests.
Location Code in Program Code	<a href="#">No</a>	Set to Yes to include the location code as part of the program code (Session ID).
Maximum Keywords per Abstract	<a href="#">5</a>	The maximum number of keywords attached to an abstract. Keywords are assigned via a PERL script.
Paper ID Oral Sequence Length	<a href="#">2</a>	The exact number of digits for the numeric portion of Oral paper IDs. The maximum paper ID length (Session ID + Sequence #) is 10
Paper ID Poster Sequence Length	<a href="#">2</a>	The exact number of digits for the numeric portion of Poster paper IDs. The maximum paper ID length (Session ID + Sequence #) is 10
Session/Classification Assignment Style	<a href="#">EPAC</a>	Controls classification <b>method</b> of abstracts during submission. EPAC-style conferences use a Main Classification and Sub Classification to categorize abstracts. PAC-style conferences use different main classifications based on presentation type (oral vs. poster). Sub

# Problems during and after the Conference (1)

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- Many authors did not submit a hardcopy during the conference at the paper submission office as requested in the guidelines.  
Why???
- “Black dots”: Paper withdrawal is not reported to editors and not listed in statistics
- If an editor attempted to process a paper which the author had not yet uploaded then that paper was blocked and no further upload was possible.

**Workaround:** Editor needs to set the paper status to red to unblock the author

## Problems during and after the Conference (2)

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- The built-in mail facility to send username and password when the author has forgotten his access data does not work
- “0-byte files”

It happened from time to time that files uploaded to the database were empty (0-byte length).

### Two theories:

- if Acrobat 5.0 is still running an upload fails as Acrobat 5.0 does not generate a backup copy
- web server time-out problems, because of the slow connection from the conference site to DESY (10 MBit/s)

# Points to Discuss (1)

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- Should we announce the people who are involved in the conferences to help the next conference organizers?
- Is an online status-board a good idea?
- When is the usage of the JACoW repository and the SPMS recommended?
  - depending on the number of papers to process?
  - depending on the number of participants?
- Do we need a LINAC-style?
- How to update the JACoW repository?

MOP01	●	TUP01	●
MOP02	●	TUP02	●
MOP03	●	TUP03	●
MOP04	●	TUP04	●
...		...	



# Points to Discuss (2)

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Suggestions for a front-end fix from **Carsten Germer** who proposes a task-oriented structure like:

System Setup      -→ Affiliation Types; Byte Code Maintenance; Conference Codes; File Types etc.

Conference Setup -→ Authorized Users and Roles; Classification Maintenance; Location Codes; Presentation Codes; Specify Conference Invitees; System Parameters etc.

Conference Admin -→ Assign/Move Paper IDs; Abstract Search/Edit; Affiliation Maintenance; Email Utility etc.

Editors Home      -→ Activity Log; Paper Final QA; Reports and Statistics etc.

# Acknowledgements (1)

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**Many thanks to our local editing team:**

**Christine, Leif, Raphael and Volker ☺**

JACoW Team Meeting, ORNL,  
November 2004

# Acknowledgements (2)

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**Thanks to Lori and Sarah for their assistance in the paper submission office 😊**

# Acknowledgements (3)

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Special thanks to Matt for his great support.

Due to the fact that we had a stand-alone database his direct support at any time was very helpful. In spite of the time shift it was never a problem to reach him 😊



# See you next year in Knoxville 😊

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JACoW Team Meeting, ORNL,  
November 2004