Linear Accelerator Conference 2004

#### **Experience with the SPMS\***



#### Michaela Marx, DESY

\*SPMS = Scientific Program Management System



**Overview** 



Conference Site

**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

o "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
- o Traditional naming convention for Paper IDs

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

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)

- 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**

- 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

<u>System Parameters</u>  $\rightarrow$  <u>SPMS Configuration</u>  $\rightarrow$  Standalone database: <u>Yes</u>

• 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)

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 <u>Specify Conference Invitees.</u>

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	
					17

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

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)

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  $\rightarrow$  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)

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:  $\underline{2}$
- $\rightarrow$  Paper ID Poster Sequence Length: 2

## Assignment of Paper IDs (1)

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

From the Administrator Pages follow the link <u>Presentation Code</u> to enter presentation codes like:

<u>Code</u>	Description	<u>Type</u>	
1	Morning Session	Oral	
2	Late Morning Session	Oral	
3	Early Afternoon Session	Oral	
Р	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 <u>System Parameters</u>  $\rightarrow$  <u>Conference</u>  $\rightarrow$  Location Code in Program Code: <u>No</u>

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

📴 LINAC 2004 Abstract -	Mozilla	
Eile Edit ⊻iew Go Book	narks <u>T</u> ools <u>W</u> indow <u>H</u> elp	
Back Forward Reload	ttp://spms.desy.de/pls/jacow/JACoW.edit_abstract_editor?abs_id=1665	Search 🛃 🗸
🕻 🚮 Home 🛛 🦋 Bookmarks		
	Fields marked with an "*" are required.	^
Abstract Title*	Fermilab Drift Tube Linac Revisited	
Presentation Type*	Poster Scloot the r	procontation type first
Main Classification*	A-Accelerators and Facilities	presentation type first
Sub Classification*	A02 - Ion Linacs 💌	
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 Morning Session MO1 - Monday Morning Session	necessary and with a carriage return between each.
Funding Agency	MO2 - Monday Late Morning Gession MO3 - Monday Late Morning Gession HP - Thursday Late Morning Session TH - Thursday Poster Session TH3 - Thursday Early Afternoon Session TU3 - Turesday Poster Session TU2 - Tuesday Late Morning Session TU3 - Tuesday Late Morning Session TU3 - Tuesday Late Morning Session WE1 - Wednesday Late Morning Session	Choose date and time which has already been defined in <u>Session Maintenance</u>
Date/Time/Location		
Session Seq #	Fnter a two-dig	it paper number here
Streaming Video URL		
Back to Abstract Summary	Submit	
	4 <u>Database Administrator</u> with questions, problems, and/or suggestions. Fermi National Accelerator Laboratory	15-JUN-04 09:56 UTC+01:00 JACoW SPMS Version 1.017 JACoW Legal and Privacy Statements
🐝 🕮 🎸 🖾 🗹 Done		

#### LINAC2004 System Parameters

INAC 2004 System Paramet	ers	Michaela Marx	Logout	<u>Home</u>	<u>Editors' Home</u>	<u>Search</u>	
Co	nference <u>URLs</u> <u>Email</u> <u>Web</u>	Configuration SPMS (	Configuration	Image (	JRLs Post Confer	ence	
Accepting Abstracts Yes		ility to create new abstra . Set to "No" again when					ence. Set to "Yes" once the
Accepting File Uploads $\underline{Yes}$	Set to "Yes" to all parameter to "Yes	상황 같은 것은 것은 것은 것은 것을 위해 중 것은 것을 것을 받았다.	papers and a	associated	l documents. Paper	IDs must be assign	ed in addition to setting this
$\operatorname{CC}\operatorname{New}\operatorname{Affiliation}\operatorname{Request}$ to Editor $\underline{\operatorname{No}}$	If set to Yes the c	If set to Yes the conference administrator is CCed on all email sent regarding requests for new affiliations.					
Conference Length in Days $5$	Controls the popu	Controls the popup list in the Session Maintenance screen.					
Conference Location <u>Lue</u> <u>Gen</u>	<u>peck,</u> Used in XIML outj nany	put.					
Conference Start Date 08/1	6/2004 The date of the fir:	st day of the conference.	It controls th	ie day-of-	week popup list in	session maintenance	
Conference Title LIN	AC 2004 The short name of	your conference. It disp	lays at the top	p of every	page generated by	the database.	
Freeze User Updates to Abstracts $\underline{No}$		m updating their abstract D and export files for the				ence to prevent cha	anges prior to the generation of
Invitation Only Conference Yes		event creation of abstract me page to identify invite		nvited atte	endees. Use the "S <sub>f</sub>	ecify Conference I	nvitees" link on the
Location Code in Program Code $N_0$	Set to Yes to inclu	ide the location code as j	part of the pr	ogram co	de (Session ID).		
Maximum Keywords per Abstract $5$	The maximum nun	nber of keywords attache	ed to an abstr	ract. Key	words are assigned	via a PERL script.	
Paper ID Oral Sequence Length $\underline{2}$	The exact number	of digits for the numeric	portion of Or	ral paper	IDs. The maximum	paper ID length (Se	ession ID + Sequence #) is 10
Paper ID Poster Sequence Length $\frac{2}{2}$	The exact number	of digits for the numeric	portion of Po	oster pape	r IDs. The maximu	m paper ID length (	Session ID + Sequence #) is 10
ession/Classification Assignment Style EPA			0				ssification and Sub Classification ype (oral vs. poster). Sub

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#### Problems during and after the Conference (1)

- 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)

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

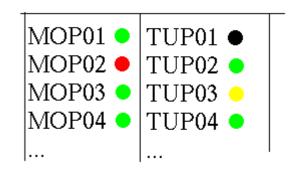
It happened from time to time that files uploaded to the database were empty (0-byte length).

#### 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)

- 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?



### Points to Discuss (2)



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.
- <u>Conference Setup</u> -→ Authorized Users and Roles; Classification Maintenance; Location Codes; Presentation Codes; Specify Conference Invitees; System Parameters etc.
- <u>Conference Admin</u> -→ Assign/Move Paper IDs; Abstract Search/Edit; Affiliation Maintenance; Email Utility etc.
- <u>Editors Home</u>  $\rightarrow$  Activity Log; Paper Final QA; Reports and Statistics etc.

#### Acknowledgements (1)



#### Many thanks to our local editing team: Christine, Leif, Raphael and Volker ©

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#### Acknowledgements (2)





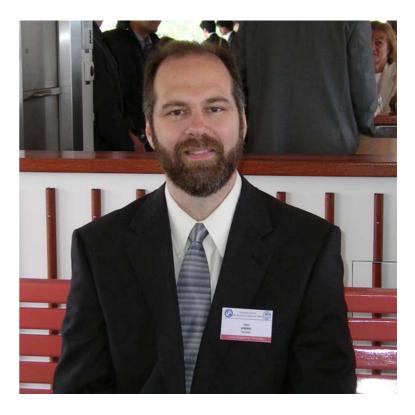
Thanks to Lori and Sarah for their assistance in the paper submission office ©

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#### Acknowledgements (3)

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 ©

