

JACoW and SPIRES



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SLAC-SPIRES

Introduction

- Thanks for inviting me
- Apologies-I am new to this community
 - In many ways
- Hoping to build more solid connections between SPIRES and the Accelerator community

Topics of Discussion



- What is SPIRES?
- Formats for SPIRES
- Content for SPIRES
- eConf
- arXiv
- Back-scans

What is SPIRES?

- Over half a million HEP-related articles
- First database on the Web
- Over 25,000 searches a day
- Citation searching and tracking for e-prints and journals
- SLAC/DESY project. Mirrors at Kyoto, IHEP, Durham, FNAL.
- <http://www.slac.stanford.edu/spires/hep/>
- Not enough Accelerator Physics!!!

Format for SPIRES

- **Sample SPIRES input**

```
add;
DOC-TYPE = Conference Paper;
REPORT-NUM = PAC-1991-0001;
ASTR;
  AUTHOR = Zisman, M;
  AFF = ???;
TITLE = Physics and Technology Challenges of BB Factories;
DATE = Oct 2002;
PPF-SUBJECT = I;
P = 4;
MEETING-NOTE = Presented at IEEE Particle Accelerator Conference (PAC), San
  Francisco, California, 05/06/1991 05/09/1991;
TT = Physics and Technology Challenges of B\bar{B} Factories;
CONF-NUMBER = C91/05/06;
URL = JACoW;
URLDOC = p91/PDF/PAC1991_0001.PDF;
HN = Sent to SPIRES by JACoW;
CITATION = ???;
;
```

Formats for SPIRES

- OAI formats are fine
- Plain text formats are also fine
- Format vs. Content
 - Content Wins
- We'll parse (almost) any consistent format that has the content we want from JACoW

Almost?

- Preferred: no internal semicolons or double quotes
- Consistent Author names

Content for SPIRES

- We would like:

Title	Report Number
Author(s)	Date
Affiliation(s)	Pages
URL	Conference
Eprint Number	Citations???

- Main problem-Affiliations and Duplicates

Affiliations

- We have our own database of institution names
- Need correspondence between your affils and ours
- Look-up table relating your standard abbreviations(?) to ours
 - Do it once-get most of them

Duplicates

- Do we already have it?
- We need to know arXiv number, if it has one
- We need to know all report numbers
- Affiliations again...
 - SLAC, FNAL, etc already in

Citations

- We normally do not track citations from or to conference papers
- We could, if it were easy...

Timing

- Feed/notify us once, when proceedings website ‘goes live’
- We can harvest off of website, as long as info is all there.
 - OAI may not include everything.

- Overlay of arXiv.org, usually
- Relies on SPIRES records for papers
- Substitute for paper proceedings
- Substitute for ephemeral conference website proceedings

arXiv->SPIRES

- Easiest way to get papers into SPIRES
 - PHYSICS acc-phys arXiv (at least x-post)
 - MUST have conference info and doc id on submission
- If all info is present, SPIRES entry is easy, and URL is automatically calculated
- Relies on SLAC staff
- Why a direct feed from JACoW?
 - Completeness and accuracy of URLs
 - arXiv still important for JACoW papers

Back-Scans

- Working with Sara Webber
- PAC 1991 almost ready, affiliations and duplicates are the only hangup
- Note that at least 800 of the 1000 papers from PAC 1991 are already in SPIRES

Conclusions

- Direct feed of metadata preferable
 - used as a cross check with arXiv->SPIRES
- Affiliations matching
- What else can SPIRES do for Acc. Phys.?
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