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First Meeting of the IPAC'10 Organizing and Scientific Programme Committees 13 and 14 November, 2008

14 November 2008

IPAC'10 OC/1



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Joint Accelerator Conferences Website (JACoW) Activities

Christine Petit-Jean-Genaz, CERN AB
Conferences Coordinator
JACoW Secretary
EPS-AG Executive Sec. and Treasurer

14 November 2008

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What is JACoW?

- A completely Open Access Website
- A Collaboration in Electronic Publication
- A Service to the Accelerator Community
 - Recognized during EPAC'04 in Lucerne
- APAC, EPAC, PAC were the "founding fathers", supporting the team since 1997



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The Website

- www.jacow.org, is on a server located at CERN since 1996, but with an independent domain name so it could be transported/located anywhere
- Home to conference proceedings of 17 accelerator conferences
 - ABDW, APAC, BIW, COOL, CYCLOTRONS, DIPAC, ECR, EPAC, FEL, HIAT, ICALEPCS, ICAP, LINAC, PAC, PCaPAC, RUPAC, SRF (only big one missing is MT)
- Mirror site at KEK
- Self-contained "host" site, it is NOT a site containing links to other sites, with one exception: PRST-AB
- Fully Open Archive (no cost either to libraries, or for authors - though there IS a cost!)



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The Website, continued

- 65 sets of proceedings published since 1996, including scanned PAC (back to 1965) and EPAC (back to 1988)
- > 50,000 individual papers stored
- > 50,000 hits per annum on the home page
- > 400,000 downloads of papers per year served from CERN
- Search engine capable of making boolean searches across the site by conference, or by author, keyword, title ...



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The Website, cont'd.



Joint Accelerator Conferences Website

- Home
- Long Term Archival

For authors:

- Templates for Papers
- Information and help
- Author Profile Repository
- JACoW Collaboration Conferences
- Physical Review Special Topics - Accelerators and Beams

For editors:

- The Steering Committee
- Terms of Reference
- Requirements for membership
- Meetings
- Documentation

For JACoW Team

- Website updates
- SPMS Terms and Conditions
- SPMS

For Libraries:

- Catalog data

- About JACoW
- Award for the Collaboration
- Future Accelerator Projects and Upgrades (the database)
- Future Accelerator Projects and Upgrades (.pdf file)

The Conference Proceedings

ABDW	APAC	COOL	CYCLOTRONS	DIPAC	EPAC	FEL	ICALEPCS	ICAP	LINAC	PAC	RUPAC
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In general, each Conference retains the Copyright to their proceedings but allows that copies of single articles may be taken from this site, provided that the source is acknowledged.

The conference papers have been processed using Adobe Acrobat software. Acrobat Reader 5 or later is required.

Search Engine

This form is based on the [FAST](#) Search Engine (introduced 19 March 2007) and sets various parameters to limit the search to the appropriate areas.

Full Boolean searches are possible and once the search has been submitted it can be refined using the *FAST* form.

In order to eliminate unwanted papers in the search result, users are strongly advised to use the '+' operator which requires that the particular string is found.

The [help](#) page gives more details and examples for the formulation of searches.

Select Conferences

- | | | | | | | |
|---|--------------------------------------|--|--------------------------------------|--------------------------------------|----------------------------------|--|
| <input checked="" type="checkbox"/> ALL | <input type="checkbox"/> PAC'65 | <input type="checkbox"/> PAC'67 | <input type="checkbox"/> PAC'69 | <input type="checkbox"/> PAC'71 | <input type="checkbox"/> PAC'73 | <input type="checkbox"/> PAC'75 |
| <input type="checkbox"/> PAC'77 | <input type="checkbox"/> PAC'79 | <input type="checkbox"/> PAC'81 | <input type="checkbox"/> PAC'83 | <input type="checkbox"/> PAC'85 | <input type="checkbox"/> PAC'87 | <input type="checkbox"/> PAC'89 |
| <input type="checkbox"/> EPAC'88 | <input type="checkbox"/> PAC'89 | <input type="checkbox"/> EPAC'90 | <input type="checkbox"/> PAC'91 | <input type="checkbox"/> EPAC'92 | <input type="checkbox"/> PAC'93 | <input type="checkbox"/> EPAC'98 |
| <input type="checkbox"/> EPAC'94 | <input type="checkbox"/> PAC'95 | <input type="checkbox"/> EPAC'96 | <input type="checkbox"/> LINAC'96 | <input type="checkbox"/> PAC'97 | <input type="checkbox"/> EPAC'98 | <input type="checkbox"/> EPAC'00 |
| <input type="checkbox"/> APAC'98 | <input type="checkbox"/> LINAC'98 | <input type="checkbox"/> DIPAC'99 | <input type="checkbox"/> PAC'99 | <input type="checkbox"/> ICALEPCS'99 | <input type="checkbox"/> EPAC'00 | <input type="checkbox"/> PAC'01 |
| <input type="checkbox"/> LINAC'00 | <input type="checkbox"/> APAC'01 | <input type="checkbox"/> Cyclotrons'01 | <input type="checkbox"/> DIPAC'01 | <input type="checkbox"/> ICALEPCS'01 | <input type="checkbox"/> PAC'01 | <input type="checkbox"/> Cyclotrons'04 |
| <input type="checkbox"/> EPAC'02 | <input type="checkbox"/> LINAC'02 | <input type="checkbox"/> DIPAC'03 | <input type="checkbox"/> ICALEPCS'03 | <input type="checkbox"/> PAC'03 | <input type="checkbox"/> PAC'05 | <input type="checkbox"/> PAC'05 |
| <input type="checkbox"/> APAC'04 | <input type="checkbox"/> EPAC'04 | <input type="checkbox"/> FEL'04 | <input type="checkbox"/> LINAC'04 | <input type="checkbox"/> RuPAC'04 | <input type="checkbox"/> PAC'05 | <input type="checkbox"/> PAC'05 |
| <input type="checkbox"/> DIPAC'05 | <input type="checkbox"/> FEL'05 | <input type="checkbox"/> ICALEPCS'05 | <input type="checkbox"/> EPAC'06 | <input type="checkbox"/> FLS'06 | <input type="checkbox"/> FEL'06 | <input type="checkbox"/> FEL'06 |
| <input type="checkbox"/> ABDW-HB'06 | <input type="checkbox"/> LINAC'06 | <input type="checkbox"/> ICAP'06 | <input type="checkbox"/> RuPAC'06 | <input type="checkbox"/> PAC'07 | <input type="checkbox"/> APAC'07 | <input type="checkbox"/> APAC'07 |
| <input type="checkbox"/> COOL'07 | <input type="checkbox"/> ICALEPCS'07 | | | | | |

Choose Search Criteria

Author(s)

Title

Keyword

Text of paper

Go!

156231

Since 07-Nov-01



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JACoW is also

- *An International Collaboration in Electronic Publication of Accelerator Conference Proceedings, whose objectives are:*
 - To publish member conference's proceedings at JACoW.org, delivering *high performance (print quality, quality and speed of visualization, etc.) documents to users*
 - To provide templates for the preparation of conference papers
 - To provide help to authors concerning preparation of documents
 - To publish conference meta-data for the Open Archives Initiative (OAI)
 - To provide support to member conferences by means of *tools* for conference organization (SPMS), proceedings production and shared software licenses (Acrobat, Pitstop - sponsored by IPAC)
 - To train editors in the techniques and technologies involved
 - *To maintain a set of user profiles for accelerator conferences*



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How JACoW works

- **JACoW policy is the responsibility of a *Steering Committee***
 - SPC Chairs of past, current and future conferences in each series who meet yearly at IPAC
- ***JACoW Operation is a Team Effort***
 - Technical Editors of past, current and future conferences in each series
 - Learn the basic ropes through "hands on" processing at conferences, members of the collaboration (IPAC/LINAC/DIPAC, ...) with the "core" editors
 - Learn about electronic publication techniques and proceedings production at annual Team Meetings ...



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Requirements for Membership

- Conferences undertake to adhere to a number of conditions:
 - Publish at the JACoW site for at least 3 future conferences
 - Adhere to *basic requirements for publication*
 - Collaborate with respect to
 - template preparation and software to be supported
 - selection of Acrobat software to ensure backward compatibility
 - Send their representatives on the JACoW Team to the annual Team Meetings
 - Encourage publication of post mortems by their editorial teams



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Publication Standards

- "*JACoW Paper Size*": is A4 wide by US letter high - this will print in the centre of a page all over the world.
- *Page Layout*: The text is centred on the page, and each page carries a page number and conference name (and in some cases copyright information). Therefore when you print an individual paper, you can see the full reference (title, author, conference and page number) on at least the first page, and the conference name and page number on subsequent pages.
- *Performance Issues*: Any individual page should display in less than about 5 seconds on a "normal" specification computer



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Publication Standards cont'd.

- *Hidden Fields:* The search engine at the JACoW site can make Boolean searches on the data in the hidden fields of each individual contribution (.pdf file):
 - Title
 - Names of all Authors (without affiliations)
 - Subject - variable but often the classification given by the conference
 - Keywords - a list of up to 5 keywords, derived by a script from the .pdf file text



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Spin off

- Scientific Programme Management System (SPMS) developed by JACoW Collaboration under GPL, in use since 2004 - Now a *complete* Event Management Tool based on Oracle software managing:
 - ALL activities related to the scientific programme
 - Committees, e-mail utility, mailing lists, abstract submission, automated generation of programme codes (posters) production of printed matter (programme, abstracts brochure), generation of statistics, reports, excel dumps, etc.
 - Editorial module: upload/download papers via author/editor interface, pre-press publication of proceedings
 - Delegate and Industrial Exhibition Registration
 - Refereeing
 - Accommodation



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The Repositories

- SPMS instances are delivered with 2 associated repositories, which synchronize to the "Central Repositories" located at CERN
 - *Profiles of individuals active in the field (>15,500)*
 - *Affiliations (>3,100 including industry)*
- Individuals have one profile/account with associated affiliation(s), home address, e-mails, etc., maintained each time they present work or participate at a conference,
 - Good for the user (only one profile/account for ALL SPMS conferences)
 - Good for the organizer (mailing lists, statistics, ..)
- Regional Support Centres at FNAL, CERN, KEK "host" SPMS instances in respective regions



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SPMS "extras"

- Volker Schaa (JACoW Chair) has written scripts to tie individual files into the complete proceedings package (table of contents, author index, page numbers, conference, keywords, etc.) ready for publication on JACoW
- *New: Integration of JACoW proceedings production scripts with meta data in InDiCo is under development*
- Meta data is "repatriated" from SPMS conf. instances and published at JACoW site in Open Archive and Spires Formats:
 - EPAC'04, PAC'05, DIPAC'05, FEL'05, EPAC'06, ICALEPCS'07, PAC'07 ...



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The Team Meetings

- 1999 BNL (29 participants)
- 2001 Frascati (18 participants)
- 2002 CERN (14 participants)
- 2002 LBNL (20 participants)
- 2003 Trieste (19 participants)
- 2004 Knoxville (11 participants)
- 2005 Frascati (31 participants)
- 2006 Indore - postponed for lack of participation
- 2007 Trieste (15 participants)
- 2007 Knoxville (16 participants)
- 2008 Tsukuba (29 participants)



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Recent important decisions

- To ensure that ALL collaborating conferences respect the conditions for membership
 - The Team proposed, and the PACCC agreed
 - To support the JACoW collaboration with respect to the purchase of software (Acrobat, Pitstop)
 - To reserve the right to refuse publication of conference proceedings for conferences that do not respect JACoW terms of reference and boundary conditions



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2008 TM at KEK

- 29 participants from
 - BESSY, Sincrotrone Trieste, FNAL, CERN, LBNL, KEK, PSI, TRIUMF, ORNL, MSL, LANL, LNL, LNS, PKU, ANL, RRCAT, J-PARC, Spring-8, GSI, DL, IMPCAS
- Monday to Thursday, 17 to 20 November
 - Reports from editors of 20 conferences
 - Complete de-brief of performance and enhancements to SPMS
 - Hands-on tutorial of scripting to pull individual contributions into proceedings publication package
 - Discussion on compatibility between InDiCo and JPSP
 - Future of JACoW ...



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GOOD WILL ...

- JACoW is based on good will, but a professional job implies that there is a cost for ALL conferences
 - Sending editors to team meetings - ALL conferences, however small
 - Essential for learning process
 - Essential for sharing and accumulating knowledge
 - Essential for continuity
 - Keeping abreast of new software
 - For larger conferences
 - Hosting "visiting" editors during conferences to
 - Take advantage of experienced technical editors
 - Ensure training for new editors



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Example of cost: EPAC'08

- 27 Proceedings Office Staff (not all paid from conference budget, incl. part-time, students, etc.)
 - Editors (incl. transparencies): 19 (10 pre-conf)
 - IT (Database, plus Computers, etc.): 3
 - Paper Reception: 5
- 99 (wo)man processing days
- 150 Per diems: ~ 26kEuros
- Plus computer rental, catering, invitations to social events, etc.
- Yes, it has a cost
- The compensation was:
 - Pre-press >1100 papers published on last day of conference
 - >1200 papers published on JACoW 3 weeks later ...



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On behalf of Volker Schaa, the JACoW Chair, and
the Team that will meet in Tsukuba:

- The Team looks forward to the collaborating
with IPAC Editors
- To the continuing support for the Collaboration
from IPAC
- And wishes Good luck to the new series