

JACoW

Joint Accelerator Conferences Website

Presented by J. Vigen on behalf of John Poole, JACoW

- JACoW is an Open Archive hosted at CERN and mirrored at KEK.

[www.JACoW.org](http://www.JACoW.org)

- Following the publication of EPAC96 on the web, Ilan Ben-Zvi - chairman of PAC'99 Programme Committee - proposed a Joint Website.
- PAC and EPAC organisers agreed to the principle and to give continued support. APAC was invited to join and JACoW was formally set up after a meeting at PAC'97.
- Since then many more conferences have published on the site and there are now 12 series which are members of the collaboration and 11 of them have published on the website.

## The Conference Proceedings

- ABDW
- APAC
- CYCLOTRONS
- DIPAC
- EPAC
- FEL
- ICALEPCS
- ICAP
- LINAC**
- PAC
- RUPAC

In general, each Conference retains the Copyright to their proceedings but allows that copies of single articles may be taken from the proceedings that the source is acknowledged. The conference papers have been processed using Adobe Acrobat software. Acrobat Reader 5 or later is required.

- LINAC'06
- LINAC'04
- LINAC'02
- LINAC'00
- LINAC'98
- LINAC'96

### 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'94    |
| <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"/> APAC'98    |
| <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"/> LINAC'00   |
| <input type="checkbox"/> EPAC'02        | <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"/> EPAC'02    |
| <input type="checkbox"/> APAC'04        | <input type="checkbox"/> LINAC'02 | <input type="checkbox"/> DIPAC'03      | <input type="checkbox"/> ICALEPCS'03 | <input type="checkbox"/> PAC'03      | <input type="checkbox"/> Cyclotrons'04 | <input type="checkbox"/> APAC'04    |
| <input type="checkbox"/> DIPAC'05       | <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"/> DIPAC'05   |
| <input type="checkbox"/> ABDW-HB'06     | <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"/> ABDW-HB'06 |
|   | <input type="checkbox"/> LINAC'06 | <input type="checkbox"/> ICAP'06       |                                      |                                      |  |                                     |

### Choose Search Criteria

Author(s)	<input type="text"/>
Title	<input type="text"/>
Keyword	<input type="text"/>
Text of paper	<input type="text"/>



**120191**  
Since 07-Nov-01

# Main Features

- The website provides access to conference proceedings and includes pre-electronic era conference papers.
- **A total of 57 sets of proceedings (>30 000 papers) in were available in April 2007.**
- One of the key features of the service is a search facility providing boolean features on author, title and keywords as well as full text.
- **Citation information is exported and made available for use by libraries (SPIRES and CDS).**
- JACoW paper size (US letter high and A4 wide) ensures that no information is lost when printing anywhere in the world.
- Each proceedings must conform to the JACoW requirements.
- JACoW provides templates for the preparation of papers.
- Conferences deliver a complete set of files which are placed on the server.

- The rules for conducting the business of the JACoW are established by agreement among the Organising Committees of each member series of conferences, through/by the Chairmen of the Scientific Programme Committees.
- **The Organisers of each series undertake to adhere to a set of boundary conditions**
- Changes to JACoW or to its activities have to be approved by a simple majority of the Chairmen of the Scientific Programme Committees for the member conferences.
- There is steering committee which meets once per year and Team Members have at least one technical meeting per year

- JACoW is an international collaboration which relies on the good will of the team members.
  - The team is composed of some co-opted experts and a rolling set of editors from the last, present and future conferences.
- Conferences undertake to send their editors to JACoW Team meetings.
- There is no formal financial support for JACoW.
- **Each conference wishing to profit from the collaboration's expertise and resources pays for it through the conference budget.**
  - There is no cost to publish on JACoW but conferences usually provide accommodation and per diems for JACoW team members who process papers during the conference. The organisers also supply the necessary informatics infrastructure.

# Technical Requirements

- Papers are in PDF files
- Paper size – JACoW size
- Text centred and within specified margins
- Each page to carry banner with conference name and page number
- Every page should display rapidly on a moderate specification computer (<2s on a 2GHz machine)
- The hidden fields in the PDF file for title, author and keywords must be filled.
- **The proceedings should be delivered with a complete set of hyperlinked index files (table of contents, author index etc.)**

Set of files delivered  
by conference editor

User interface  
[www.JACoW.org](http://www.JACoW.org)

JACoW Webserver and Search Engine

Citation index and  
library data  
(SPIRES and OAI)

Search results  
and papers via  
webpages.

Currently delivering  
~250 000 papers per  
annum to users.



- Proceedings from the pre-electronic era (pre 1995) have been scanned.
  - PAC back to 1965, EPAC back to 1988 and cyclotrons are being done at present
- The preparation involves OCR and the resultant files are fully JACoW compatible and therefore fully searchable.

- JACoW provides author education and training as well as editor (paper processing) training
- JACoW provides an event management tool known as SPMS (Oracle based tool for scientific programme management, abstract submission, registration, paper submission, editing, refereeing etc. all in a web-based package)
- JACoW maintains a repository of user profiles (user details and institutes) which is used by SPMS.
- JACoW has a set of scripts which takes an XML dump from SPMS with the processed files and produces all files for publication, proceedings volumes etc.
- JACoW owns some software licenses (Acrobat and PitStop) which can be used for paper processing by member conferences

- Prototype link of JACoW proceedings production scripts to InDiCo is currently being tested.
- Regional support centres for SPMS (USA, Europe and Asia) currently being established.
  - These will provide support and hosting for the SPMS database systems for member conferences wishing to use the system.
- **Extension of JACoW content to include defunct conferences (HEACC) and proceedings from accelerator schools.**