

JACoW – a Collaboration Serving the Accelerator Community

Joint Accelerator Conferences Website

<http://www.JACoW.org/>

Christine Petit-Jean-Genaz and John Poole
Lucerne, July 2004

- From camera-ready to electronic publication
 - PAC'95 - EPAC'96
- The "transition" strategy
 - Provide Templates
 - Provide Clear Instructions and Guidelines
 - Educate Authors
 - Educate Editors
- Implementation
 - Processing on-line at the venue - Feedback with Authors - Dotting

JACoW - the beginning

- THE STRATEGY PAID OFF - with a success rate of around 80% the EPAC'96 "model" came into being ...
- Joint Accelerator Conferences Website & Committee Established in '97 - APAC, EPAC, PAC...
- JACoW - the Website and the Collaboration - have grown to include CYCLOTRONS, DIPAC, FEL, ICALEPCS, LINAC, RuPAC, ...
 - Activities have also evolved SPMS, JACoW repositories ...

- **JACoW Steering Committee**

The JACoW Steering Committee is the formal body which reports to the conference chairmen.

- **Composition of the Steering Committee:**

Previous, present, future and co-opted representatives of Editorial Boards of each series and the webmasters of JACoW Websites - the change happening immediately after the 'current' conference has taken place.

JACoW is led by a Chairman appointed for three year periods.

- **JACoW Team**

The 'Team' comprises the Steering Committee and experts from around the world who meet at the conferences and at annual meetings. We are involved in all aspects of the electronic publication of proceedings for example, we agree on templates, promote author education, develop new techniques for processing papers etc.

Member conferences have to agree to the following:

- ❑ Compliance with some standardisation (for example adherence to the basic requirements for publication on JACoW)
- ❑ To deliver a fully compliant set of files ready for publication on the Web site.
- ❑ A collaborative approach to template preparation and software to be supported
- ❑ A collaborative approach to the selection of Acrobat software to ensure backward compatibility
- ❑ Attendance of at least the technical people at JACoW Steering Committee meetings during each PAC and EPAC Conference
- ❑ Attendance at annual JACoW Team Meetings
- ❑ To continue and possibly expand the international collaboration in electronic publication
- ❑ To encourage publication of post-mortems.

The team, which meets twice per year :

- gives support to members for processing papers during and after conferences.
- trains people joining the field through hands-on experience at conferences.
- develops new techniques and procedures for the production of proceedings like SPMS.
- agrees on standards and templates.

Team Activities at the Conferences

- Typically we have around 20 people at each large conference. The work done there accounts for about 50% of the total required for proceedings production.
- The work is intense but we have our lighter moments:
 - We have our own chamber of horrors.
 - There is a competition for the brown dot which is awarded to the worst paper.
- Each conference brings some new challenge (usually software bugs/features which we have to fix).

Examples of Horrors

Hand corrected document, scanned and inserted into Word

PREPARATION OF PAPERS FOR ACCELERATOR CONFERENCES*

J. Poole, C. Petit-Jean-Genaz, CERN, Geneva, Switzerland
P. Lucas¹, FNAL, Batavia, IL 60510, USA

Abstract

APAC, EPAC and PAC have adopted the same standards for electronic publication and have created the Joint Accelerator Conference Website (JACoW) [1] for the publication of their proceedings. This document describes the common requirements for the submission of papers to these conferences. Please consult individual conference pages for information on numbers of pages, method of electronic submission, etc. It is not intended that this should be a tutorial in word processing; the aim is to explain the particular requirements for electronic publication at these conference series.

1 SUBMISSION OF PAPERS

Each author should submit all of the source files (text and figures), the postscript file and a hard copy version of the paper. This will allow the editors to reconstruct the paper in case of processing difficulties and compare the version produced for publication with the hard copy.

2 MANUSCRIPTS

Authors are advised to use the templates provided. The JACoW Styles and Macros menu is designed to help authors format their papers correctly. Please consult the individual conference help pages if questions arise.

2.1 General Layout

These instructions are a typical implementation of the requirements. Manuscripts should be prepared for one side of the paper and have:

- Either A4 (21.0 cm × 29.7 cm; 8.27 in × 11.69 in) or US letter size (21.6 cm × 27.9 cm; 8.5 in × 11.0 in) paper.
- Single-spaced text in two columns of 82.5 mm (3¼ in) with 5.3 mm (0.2 in) separation.
- The text located within the margins specified in Table 1 to facilitate electronic processing of the postscript file.

Table 1: Margin Specifications

Margin	A4 Paper	US Letter Paper
Top	37 mm	19 mm (0.75 in)
Bottom	19 mm	19 mm (0.75 in)
Left	20 mm	20 mm (0.79 in)
Right	20 mm	25 mm (1.0 in)

*Revised by Sam Wilton, FNAL, April 15, 2001.
jcasat@fnal.gov

The layout of the text on the page is illustrated in Fig. 1. Note that the paper's title and the author list should be the width of the full page. Tables and figures may span the whole 170 mm page width, if desired (see Fig. 2).

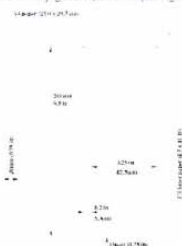


Figure 1: Layout of papers.

2.2 Fonts

In order to produce good Adobe Acrobat PDF files, the editorial staff asks authors to use only Times (in bold or italic) and Symbol from the standard postscript set of fonts. The editorial staff is aware of problems processing Asian and Cyrillic fonts and will have experts in these matters available at the conference.

2.3 Title and Author List

The title should use 14pt bold uppercase letters and be centred on the page. The names of authors and their organisations/affiliations and mailing addresses should be grouped by affiliation and listed in 12pt upper and lowercase letters.

2.4 Section Headings

Section headings should be numbered, use 12pt bold uppercase letters and be centred in the column. All section headings should appear directly above the text—there should never be a column break between a heading and the following paragraph.

LaTeX, all type 3 fonts, 10 pages in submitted paper, single column 16pt

PREPARATION OF PAPERS FOR ACCELERATOR CONFERENCES

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September 25, 2002

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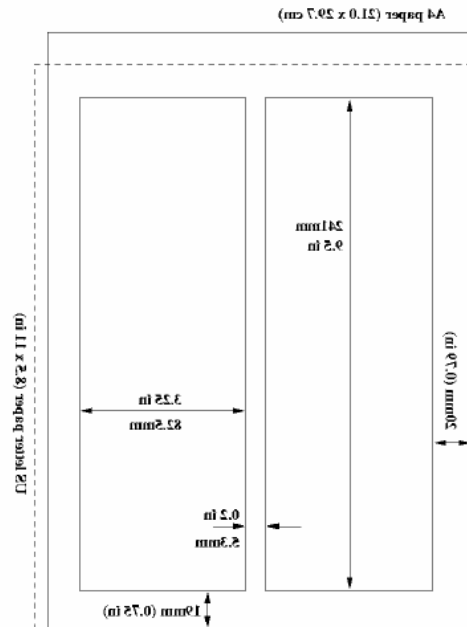
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MANUSCRIPTS

Templates are provided for Microsoft Word (Mac and PC) and LaTeX. Authors are advised to use the templates provided. The JACoW Styles and Macros menu, available in the Microsoft Word menu, contains the templates and macros.

JACoW Home page - Microsoft Internet Explorer

File Edit View Favorites Tools Help



Home

For authors:

- Templates for Papers
- Information and help
- Author Profile Repository
- JACoW Collaboration Conferences

For editors:

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

- About JACoW
- Award for the Collaboration

Joint Accelerator Conferences Website

Joint Accelerator Conferences Proceedings

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 3 or later is required.

The Conference Proceedings							
PAC'67	PAC'87	PAC'89	PAC'91	PAC'93	PAC'95	EPAC'96	LINAC'96
PAC'97	EPAC'98	APAC'98	LINAC'98	PAC'99	ICALEPCS'99	EPAC'00	LINAC'00
APAC'01	Cyclotrons'01	ICALEPCS'01	PAC'01	EPAC'02	LINAC'02	PAC'03	

SEARCH Engine

This form is based on the Inktomi Search Engine 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 Inktomi 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 type="checkbox"/> PAC'67	<input type="checkbox"/> PAC'87	<input type="checkbox"/> PAC'89	<input type="checkbox"/> PAC'91	<input type="checkbox"/> PAC'93	<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"/> LINAC'98	<input type="checkbox"/> PAC'99	<input type="checkbox"/> ICALEPCS'99	<input type="checkbox"/> EPAC'00	<input type="checkbox"/> LINAC'00		
<input type="checkbox"/> APAC'01	<input type="checkbox"/> Cyclotrons'01	<input type="checkbox"/> ICALEPCS'01	<input type="checkbox"/> PAC'01	<input type="checkbox"/> EPAC'02	<input type="checkbox"/> LINAC'02	<input type="checkbox"/> PAC'03	<input checked="" type="checkbox"/> ALL		


Choose Search Criteria

Author(s)

Title

Keyword

Text of paper

 Go!

040536
Since 07-Nov-01

For problems or questions regarding JACoW contact J. Poole
Last updated: 1 August 2003.

Templates for papers

Last modified March 2003

Special Note on WORD Templates

If you cannot, or choose not to install the template (.dot file) on your computer, please download the document file (.doc file) and use it to format your paper correctly.

Templates work best when you install the document template (.dot file) on your computer. Please follow the [instructions](#) to install them on your computer.

PLEASE NOTE: These WORD templates (.dot) contain macros. Only two features will be unavailable if you choose to disable macros -- Full Page Width Macro and Column Format Macro. You may need to change your macro security settings (**Tools, Macros, Security**) to use macros.

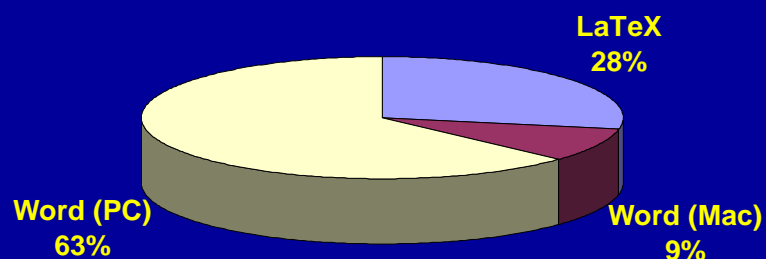
A4 Paper Size		
LaTeX	WORD Templates (.Dot)	WORD Files (.Doc)
Document	WORD 2000 for PC	WORD 2000 for PC
Class file	WORD 98 for MAC	WORD 98 for MAC
Figure 1	WORD 2001 for MAC	WORD 2001 for MAC
Figure 2	WORD 2002 (XP) for PC	WORD 2002 (XP) for PC

US Letter Size		
LaTeX	WORD Templates (.Dot)	WORD Files (.Doc)
Document	WORD 2000 for PC	WORD 2000 for PC
Class file	WORD 98 for MAC	WORD 98 for MAC
Figure 1	WORD 2001 for MAC	WORD 2001 for MAC
Figure 2	WORD 2002 (XP) for PC	WORD 2002 (XP) for PC

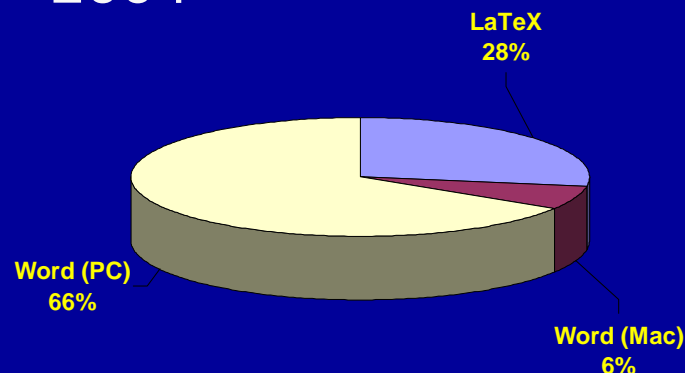
[Sample postscript file](#)

EPAC 2002 & 2004 Statistics

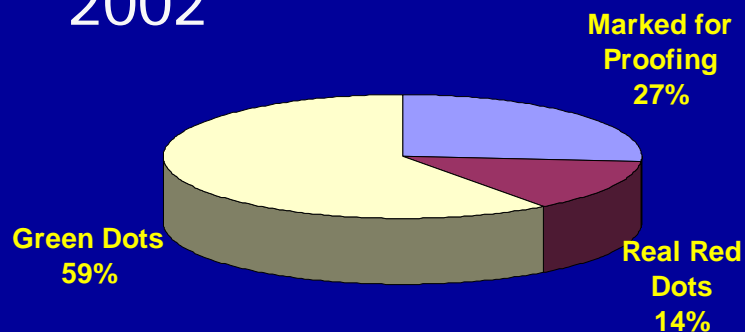
2002



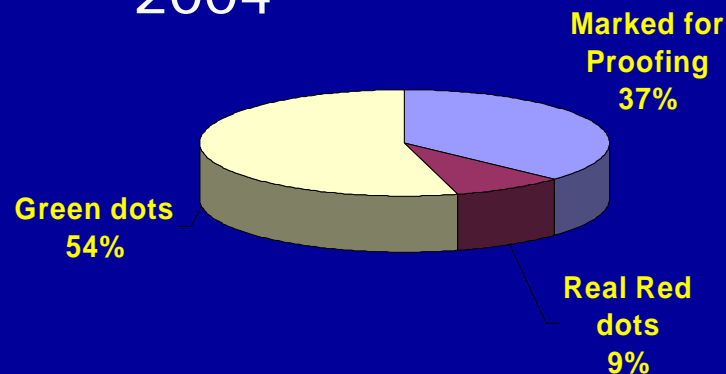
2004



2002



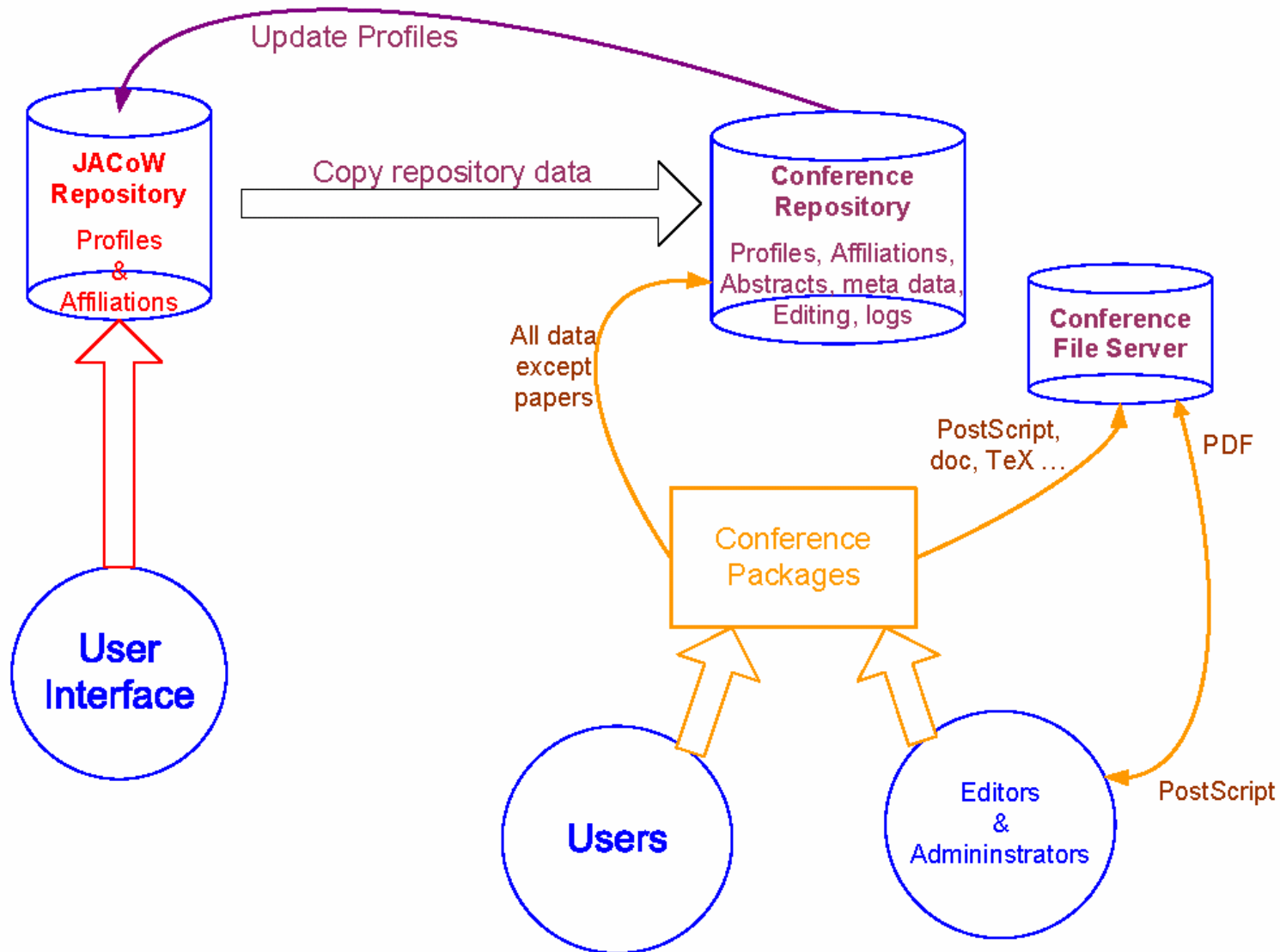
2004



Scanning Project

- Following an initiative by G. Jackson, PAC started a project to scan proceedings from the pre-electronic era.
- So far 5 conferences have been scanned and published on JACoW.
- The proceedings have all of the features and functionality of the electronic era but have slightly poorer visual quality.
- Further funding is available from PAC'03 and it is hoped to include the remaining 9 PAC's and 4 EPAC's (funding from EPAC'02) this year.

SPMS Overview



Major Contributions

Technical Contributions

- Ivan Andrian (Elettra)
- Matt Arena (FNAL)
- Martin Comyn (TRIUMF)
- Leif Liljeby (MSE)
- Pascal Le Roux (CERN)
- Volker Schaa (GSI)
- John Smith (BNL – retired)
- Sara Webber (FNAL)

Additional Support

- Gerry Jackson (FNAL)
- Michaela Marx (DESY)
- Steve Myers (CERN)
- Yong Ho Chin (KEK)

Conclusions

- JACoW is a truly international collaboration which owes its success to the good will and expertise of its team members.
- We are delighted to accept this award on behalf of the collaboration and thank the conference organisers for their continued support.