SUMMARY OF THE JACoW TEAM MEETING
Lawrence Berkeley Lab, Berkeley, California, November 2002

J. Poole, CERN, Geneva, Switzerland

Abstract

JACoW held a Database Workshop and Team Meeting in Berkeley from 4-7 November 2002. This note is a brief summary of the Team Meeting which followed the two day workshop, the latter being reported elsewhere.

A total of 20 people from 14 institutes attended the meeting and this note supplements the copies of the slides from the talks which are available on the JACoW website [1].

1 PROGRAMME

Recent developments in multi-media publication have led to the setting up of the InDiCo Project [2] in Europe and the project was described in the introduction to the database workshop. The agenda followed the standard format for a Team Meeting with status reports from JACoW and recent conferences followed by reports on plans for forthcoming conferences. There was a report on the status of the PAC scanning project and the mirror site in KEK. The relationship of JACoW with libraries was discussed and plans made for future interaction with them. Concluding the session on new developments for JACoW, the role of XML and the JACoW project was reviewed.

The full programme was as follows:

- JACoW
  - JACoW Status Report and Terms of Reference, John Poole, CERN.
- Reports from Recent Conferences
  - LINAC 2000 and ICALEPCS'01, Sharon West, SLAC.
  - EPAC'02, John Poole, CERN.
  - LINAC'02, Jinhyuk Choi, POSTECH.
- Reports from Future Conferences
  - ICALEPCS'03, Jinhyuk Choi, POSTECH.
  - CYCLOTRONS'04, Toshiya Tanabe, RIKEN.
- Technical Reports
  - Status of PAC Scanning Project, Sara Webber, FNAL.
  - KEK Mirror Site, Andrei Lounine, KEK.
- Publication of Meta Data for Libraries
  - Report from SPIRES, Travis Brooks, SLAC.
  - Report from CERN, Thomas Baron, CERN.
- New Developments
  - Experiments with XML, Matt Arena, FNAL.
  - JACoW XML Project Follow up, Ivan Andrian, Trieste.

This report only covers the major points which arose from the discussions and which were not covered by the slides.

2 JACoW STATUS

John Poole reported on the current status of the JACoW site and explained that a domain name (www.JACoW.org) had been purchased. There was some discussion about the structure of the website following the introduction of this new domain and it was agreed that the two existing sites should be merged. The information currently found under the sub-domain cern.ch/JACoW, should be placed under the JACoW site, thus: http://www.JACoW.org/JACoW

There was some discussion about the look and feel of the website(s) and it was agreed to make the following modifications:

> Regroup all pages from 'cern.ch/JACoW' under 'cern.ch/AccelConf/JACoW', which will be 'www.JACoW.org/JACoW'.
> Create a new page as the default for 'www.JACoW.org/JACoW'.
> Circulate some prototypes for comments amongst team members.

In the discussion about JACoW's role in the community it was agreed that something more should be done for libraries and other information repositories, but the details were deferred to the session on libraries. It was also agreed that Team Members could try and give some author education and some members volunteered to give some talks.

The JACoW templates were also discussed and some changes were suggested. Sara Webber agreed to make the changes and circulate the new versions for comments. The new templates will be published in time for PAC'03. There was some discussion about the requirement for templates for the new Macintosh Operating system, OS X. Joe Chew agreed to look into this and if necessary prepare templates for testing by PAC'03 with a view to subsequent inclusion on JACoW. Martin Comyn pointed out that he was investigating some bugs in the LaTeX class file relating to the un-numbered sections (section* style).

John Poole agreed to look into the preparation of a poster about JACoW that could be displayed at member conferences.

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[1] http://www.jacow.org/JACoW/LBNL_TM-2002/TM-slides.html
[2] http://idico.sissa.it/

3 FNAL SCANNING PROJECT

Sara Webber reported that current funding will run out by the end of this year and a further round is being made to raise money to process the remaining volumes. It was noted that EPAC will try to find the funds to include the four pre-electronic conference proceedings in the project.

4 MIRROR SITES

Alan Jackson explained that the problems concerning mirror sites in the USA which were raised at the Steering Committee meeting in Paris, nhave been solved. It has been agreed that the ANL site can be dropped and if necessary a new site can be constructed, but there are no plans to do so at the moment.

5 LIBRARY REQUIREMENTS

It was agreed that JACoW will publish conference meta-data for future conferences when these data are available. If the JACoW database system is used, the data can be extracted by standard scripts, which will be prepared as a part of the standard package. The data format will conform to the OAI (Open Archive Initiative) and interested parties can request to be notified when a new set of data is available. Travis Brooks pointed out that the content of the published information should be somewhat more than the basic requirement and he agreed to discuss this with Thomas Baron so that a standard definition can be prepared.

6 NEW TECHNOLOGIES

Since the previous review in February, the only new version of software which is used by the team was the latest version of PitStop. It was reported that this had been in use at CERN for some months and no significant differences with the previous version had been detected.

Matt Arena reported on the tests made at FNAL involving the use of XML. He pointed out that there had been several serious problems which remained unsolved and therefore the work had been stopped. Ivan Andrian discussed his progress with XML and he also pointed out that there are still many problems to be solved and although the field is advancing rapidly, it will not be used for EPAC 2004, as had been proposed previously. On a related topic, Ivan agreed to investigate the use of XML for file manipulation by editors. This facility would replace the Visual Basic script written by Pascal Le Roux and would provide the functionality via the browser and would therefore work on Macintosh as well.

7 USING JPEG FIGURES IN LaTeX

In an extra presentation to the meeting Martin Comyn described an efficient technique for the inclusion of JPEG files in a LaTeX document. The method uses an application called jpeg2ps which wraps the JPEG file with a PostScript header and tail, producing a much smaller file than would have been obtained using XV. The jpeg2ps application is available in the public domain[3] for UNIX and DOS/Windows. Figure 1 is a photograph of the workshop participants which has been convernted to eps using this method.

Figure 1: Example of a JPEG photograph which has been converted to EPS for inclusion in a LaTeX document

The only possible drawback could be in printing the PostScript file because the resulting EPS file is not PostScript level 1 compatible. However, there are not many printers these days which can only handle level 1 and once converted to PDF, the files will print anywhere.

8 NEXT MEETING

The next meeting of the team will be held just before PAC'03, with the main topic for the Agenda being a review of the database project. There will probably also be a Team Meeting at the end of 2003 in Europe.

9 ACKNOWLEDGEMENT

I would like to express my thanks to Christine Petit-Jean-Genaz for organising the meeting and to all of the speakers and the participants for their efforts which made the meeting such a success. In addition thanks are due to Alan Jackson for agreeing to host the meetings and to Anna Smith who worked very hard making all of the local arrangements.

10 CONCLUSIONS

The Team Meeting was well attended reflecting the maturity of the collaboration. Many useful suggestions were made and the website itself will incorporate many of these in the near future. There is increasing interest in JACoW and its services and thanks to the support of the team, the service to the accelerator community will continue to evolve and improve in the coming year.

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[3]http://www.pdflib.com/jpeg2ps