

# SUMMARY NOTES OF THE NINTH JACOW STEERING COMMITTEE

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Present at the meeting

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## INTRODUCTION

On behalf of the JACoW Chairman, John Poole, Christine Petit-Jean-Genaz welcomes the JACoW Steering Committee (SC) to its 9<sup>th</sup> meeting. She notes that the vigorous growth of JACoW is reflected in the number of people present. From 6 editors representing the three original series, PAC, EPAC and APAC in 1996, the collaboration has bloomed and now counts 10 conference series, with an 11<sup>th</sup> in the pipeline, represented today by their Editors (be they new or more "seasoned"), Scientific Programme Chairs, as well as those who provide the invaluable Database and Web support. She thanks Charlie Horak, the PAC'05 Hosting Editor for the warm hospitality and welcome enjoyed by all.

## REPORT ON ACTIVITIES SINCE THE LAST STEERING COMMITTEE

Christine reviews activities since the last SC in Lucerne during EPAC'04 (her transparencies, as well as all others presented at the SC, are published at the JACoW SC site).

She notes that a Team Meeting (TM) hosted by ORNL/SNS took place in November 2004, as well as two SPMS Database Development meetings, one in February 2005, also at SNS, devoted to Registration, and a more general one the preceding week at the Conference venue.

### *Recognition of JACoW Achievements*

For newcomers to the collaboration, Christine recalls the acknowledgement of JACoW's contribution to the accelerator community made by the PAC and EPAC Organizing Committees in 2004. The text is reproduced at the end of these Notes. See also the paper of the oral presentation made by John Poole and herself [1].

### *Overview of Activities*

Activities over the last year include:

- JACoW collaboration increased from 7 to 10 conference series
- Sets of Proceedings published on JACoW increased from 30 to 38, for 8 conference series
- 10,000 hits per year on JACoW Home Page
- 15,000 papers per month downloaded from the JACoW Proceedings Page (200,000 per year ...)
- PAC Scanning Project completed
- EPAC Scanning Project initiated
- CYCLOTRONS and LINAC Scanning under discussion
- SPMS used by EPAC'04 and PAC'05 (in full synchronization mode)
- SPMS now used by LINAC, CYCLOTRONS, FEL, BIW, DIPAC ...
- Repository profiles increased to > 7500 for 3000 accounts
- Pitstop and Acrobat software purchased by PAC and EPAC

### *SPMS Enhancements*

Numerous enhancements to the SPMS have been implemented, to mention only a few:

- Development of a Registration Module in production for PAC'05
- Re-classification of abstracts interface
- Selection of contributed oral presentations by Programme Committee interface
- Refereeing interface
- Customized Scheduler
- Scripts to upload/download papers within Editorial Interface
- Scripts to pull together all of the elements of the proceedings to produce the JACoW site version, as well as the CD-ROM version

## *JACoW Modus Vivendi: The Collaboration*

Christine recalls the discussions which took place during the 2004 TM, in particular concerning how the JACoW Collaboration functions.

She notes that while JACoW was primarily a Website set up for the publication of accelerator conference proceedings it has, over the years, become a thriving Collaboration, providing

- editor and author education and guidance,
- production and maintenance of templates and guidelines to facilitate paper preparation,
- development and maintenance of a sophisticated tool to handle contributions to a scientific programme from abstract submission through to proceedings production,
- development of a delegate registration module.

Each conference series joining the JACoW Collaboration thus agrees to respect JACoW's Terms of Reference and Boundary Conditions. JACoW's 2004 TM reviewed these, and concluded that Collaborating conference series mostly do meet requirements, however *with difficulty* concerning the attendance of at least the technical people (Editors) at JACoW's annual Steering Committee and Team Meetings. Each series undertakes to send the Editors (at any given point in time the previous, current and future conference for each series).

This requirement is important

- to promote the education of editors in electronic publication techniques and in JACoW publication requirements to ensure smooth and efficient publication on the JACoW site
  - through hands-on experience in the PAC and EPAC Editorial Offices
  - at the technical Team Meetings;
- to ensure continuity of knowledge and experience to the benefit of the whole collaboration;
- to share the overall burden among the whole collaboration.

Christine notes that, while the attendance of Editors at Steering Committee meetings is reasonable, since it is supported mostly by the PAC and EPAC conference budgets (> 100 man days of per diem paid to Editorial Staff), attendance at the Team Meetings is increasingly unsatisfactory. She notes that only 14 Editors, representing less than half the conference series attended the 2004 TM. The TM decided that the reasons for this could be, in both cases:

- lack of continuity in many conference series, leading to a lack of "sense of responsibility", and consequently a possible lack of "collaboration spirit";
- reluctance to continue supporting an Editor's attendance once a conference is over;
- financial
  - depending on the capacity of PAC and EPAC to support editors through conference budgets for Steering Committee meetings, and

- individual laboratories in the case of Team Meetings.

Although several laboratories continue to support JACoW activities and allow, and in some cases even encourage, their staff to participate and continue to contribute and to learn, the 2004 TM decided that it would be useful to draw the attention of Collaborating conference series and Laboratory management to these difficulties.

The 2004 TM agreed that this could be done by

- demonstrating the advantages;
- providing an idea of the cost;
- including a JACoW activities line in conference budgets;
- sharing the burden of Editor education with other conferences.

It further decided that the Boundary Conditions should be modified to take this into consideration.

Clear advantages of adhering to the JACoW Collaboration are:

- publication on the JACoW site;
- hands-on training and support for Editors during PAC and EPAC;
- preparation and maintenance of templates;
- guidelines for preparation of papers;
- guidelines for publication;
- access to the SPMS and repository data (mailing lists, e-mail, etc.
- maintenance of repository data;
- scripts for production of proceedings using SPMS, publication on JACoW and production of CD-ROM, availability of software (Pitstop, Acrobat purchased by PAC and EPAC ...).

If one compares the cost of publication on the JACoW site with the:

- cost of publication elsewhere, NIM, Elsevier, etc.;
- cost of purchasing software individually (Pitstop, Acrobat) (2500 Euros each);
- cost of handing over the whole production to an external company;
- effort of developing an equivalent of the SPMS;
- producing and maintaining mailing lists, etc.,

the financial and human resource advantages of belonging to the JACoW Collaboration are self-evident.

The financial implications for a series are relatively minor in comparison with the conference budget, since they represent the travel and per diem to attend JACoW meetings for each Editor for three conferences (prior to the conference where the Editor would be Editor-in-chief – for experience - the conference where the Editor would be Editor-in-chief, and the following conference where the Editor's presence is in the interest of continuity.

A proposal to modify the JACoW Terms of Reference and Boundary Conditions in this direction was agreed at the 2004 TM and then shared with the EPAC and PAC Organizing Committees.

The EPAC SPC supported the TM proposal, and in particular a proposal to create a "JACoW activities" line in conference budgets. The PAC OC was however of the

opinion that it would be more efficient to allow the PAC, EPAC or APAC OC Chairs to contact the “hesitating” conferences to remove the pressure from the JACoW Chairman.

John Poole will be reporting on these matters to the Collaborating Conference Chairmen via the SPC Chairmen as outlined in the Terms of Reference. JACoW would clearly benefit if either or both of the above proposals produces a positive result.

### *JACoW Modus Vivendi: SPMS: Protecting Repository Data*

Christine recalls that the SPMS is based on oracle and a number of software packages to manage all contributions to a conference programme from abstract submission through to the publication of the proceedings, plus two associated modules:

- Affiliations Module, a database containing the addresses of laboratories, universities, etc., carrying out activities in the field of accelerator technology;
- Profiles Module, a database containing profiles of individuals active in the accelerator community.

Since the running-in of the system with EPAC’04, the number of individual profiles has increased from 3500 to 7500, and the number of affiliations from 600 to 1500.

This Repository data is delivered with the SPMS to JACoW Collaboration conferences. In order to protect this, if not personal, at least sensitive, data, the TM agreed that a written guarantee on the part of the Chairmen of JACoW Collaboration Conferences should in future be required, undertaking that:

- the data will under no circumstances be used for any purpose other than in connection with the organization of the conference in question (i.e. non-conference announcements to the whole Repository are not allowed);
- it will be destroyed following the publication of the conference proceedings.

### *JACoW Modus Vivendi: SPMS Database Development and Decisions taken on 11 May*

Those present at the SPMS Database Development meeting on 11 May heard about the numerous enhancements to the SPMS and decided to adopt a certain number of measures to facilitate future development and communication of enhancements to the “official” version of the SPMS:

- the decisions on what is included in the “official” version of the SPMS, taking into account the interest of the JACoW Collaboration, will be taken at JACoW TMs (or by the Chairman), and implemented by the SPMS Author (patches, etc.);
- the SPMS Author will liaise with the JACoW Chairman regarding all requests for enhancements;
- a method to announce/describe “patches” will be decided, in particular with respect to production/maintenance of a Users’ Manual.

Furthermore, the confidentiality/security aspects will be addressed to improve the levels of access to accounts/passwords etc.

Development of the SPMS Registration Module will be pursued during the summer, and a short DB meeting at FNAL for conferences interested in implementing this new tool will be organized end August or early September.

## **REPORTS FROM CONFERENCES**

### *APAC’04, Gyeongju*

Proceedings expected.

### *LINAC’04, Luebeck*

Volker Schaa reports that the conference was organized using the SPMS in stand alone mode, that the Proceedings are complete, available on CD-ROM and that they will be published shortly on JACoW.

### *CYCLOTRONS’04, Tokyo*

Yasushige Yano reports that the proceedings will be available in due course.

### *FEL’04, Trieste*

The Proceedings of FEL’04 are now published on JACoW. The SPMS was used for this conference in stand-alone mode, and the possibility to referee contributions to the proceedings was introduced as a new enhancement to the application.

### *RuPAC’04, Dubna*

A preliminary version of the RuPAC’04 Proceedings was received for publication. Further effort is however still required to make the files JACoW-compatible.

### *EPAC’04, Lucerne*

Jan Chrin reports on editorial experience with EPAC’04, in particular that:

- the SPMS was used for the first time in full synchronization mode with the Central JACoW Repository of Profiles and Affiliations;
- new file upload/download scripts, developed by Ivan Andrian, were successfully implemented;
- new scripts were developed by Volker Schaa to produce the CD-ROM and the Web versions.

The IT networking setup described in Jan’s transparencies (see the SC Notes site on JACoW), and in particular the installation and complete testing of all editorial software on one pc, and subsequent cloning to 60 others, was very successful and an example to be followed. This saved valuable time and effort enabling editors to be immediately operational. All papers were processed and QA’d during the conference. Preliminary publication (without author index) was possible only 9 days after the conference.

### *PAC'05, Knoxville*

Charlie Horak reports on the current status of processing of contributions to the proceedings. She notes in particular that 1,918 abstracts were created, of which 332 were withdrawn prior to the event, and taking no-shows into consideration, the number of papers uploaded was 1,344. Current processing statistics show that over 1000 papers already have green dots, 127 yellow, and 57 red. The distribution between platforms is: 1037 PC, 115 Mac, 134 Linux and 57 Unix. Problems encountered in processing are mainly associated with formatting (44%), non-submission of .ps files (8%), and fonts (6%).

### *ICALEPCS'05, Geneva*

Christine reports that ICALEPCS'05 is using an abstract and paper submission system called ELISE, developed by the CRPP Lausanne in 1998. There is a chance that the proceedings of this conference will not be JACoW-compatible and thus not published at the JACoW site. Under the circumstances, Dave Gurd, who is present at the current meeting and who is bidding to hold ICALEPCS'07 in Knoxville, may wish to address the question of publication policy with the ICALEPCS OC, as well as the future position of the ICALEPCS series with respect to JACoW.

### *DIPAC'05, Lyon*

Volker Schaa reports that DIPAC'05 is using the SPMS in full synchronization mode. The conference will take place in June'05 in Lyon and he, Ivan Andrian and John Poole will be participating in the editorial effort with several other members of the local DIPAC team.

### *FEL'05, Stanford*

Beck Reitmeyer reports that the conference is using the SPMS in full synchronization mode for abstract submission and proceedings production. Her transparencies are reproduced at the SC Notes site on JACoW).

### *EPAC'06, Edinburgh*

Hywel Owen, whose transparencies are reproduced at the SC Notes site on JACoW, reports on current preparations for the conference. He shows views of the conference centre, possibilities for accommodation etc. He notes that the conference website will run on Plone ([www.plone.org](http://www.plone.org)), an open-source platform-independent Content Management System. The SPMS will be used, as will the Delegate Registration module.

### *LINAC'06, Knoxville*

Charlie Horak reports that she will be Editor for Linac'06 and that she will continue on the lines of PAC'05.

### *APAC'07, Indore*

Akihiro Shirakawa whose transparencies are reproduced at the SC Notes site on JACoW reports that APAC'07 will be hosted by the Centre for Advanced Technology (CAT), and take place in Indore, India in February 2007. Akihiro notes that it will be important for the local CAT people to get hands-on experience and learn about JACoW publication techniques in advance of the meeting. This was not possible in connection with either PAC'05 or with PCaPAC'05. It is hoped that this will be possible at EPAC'06, and it is expected that KEK and hopefully IHEP Beijing and PAL/POSTECH will contribute to on-site support.

## **SCANNING OF CYCLOTRON PROCEEDINGS**

Following the initiative taken by PAC and EPAC, the Organizing Committee for International Cyclotron Conferences decided to look into digitizing their pre-electronic proceedings. There are 15 conferences to be digitized, prior to '01 already published on JACoW, and '03, in the pipeline.

The cost will be around \$3000 per conference and all of the labs that hosted a conference (and are still operating cyclotrons) have agreed to pay for this work. Other labs have agreed to pay for some earlier conferences hosted by labs that no longer operate cyclotrons.

Copyright clearance has been sought and obtained from all but one of the 11 publishers involved. The remaining one is a US government agency, which is not expected to raise any objections. Elsevier has agreed for a one-year trial period, subject to monitoring the number of downloads.

Hbar Technologies, run by Gerry Jackson, formerly of FNAL, expects to start scanning the cyclotron conferences once the EPAC project will be complete. An extra employee will be hired to assist with this work.

## **(RE-)ELECTION OF CHAIRMAN OF JACoW STEERING COMMITTEE**

Christine reports that John Poole's three-year mandate as Chairman of JACoW came to an end with PAC'05. In line with the JACoW Terms of Reference, the SC was invited to nominate his successor. The only nomination received was for John to continue, and the Scientific Programme Committee chairs voted in favour of John continuing for a further three-year mandate.

## **REQUEST TO JOIN JACOW**

Christine reports that Weiren Chou, Chairman of the ICFA Advanced Beam Dynamics Workshop, has made a formal request to join the JACoW Collaboration. In line with the JACoW Terms of Reference, the Scientific Programme Committee Chairmen of the Collaboration members will be invited to approve this new member.

## **FORTHCOMING JACoW MEETINGS**

**JACoW Database Registration Module Meeting:**  
FNAL, end-August/early September 2005

**JACoW Team Meeting:** Europe, venue to be decided,  
November 2005

**JACoW Steering Committee Meeting:** EPAC'06,  
Edinburgh, Thursday, 29 June 2006.

## **TEXT OF JACOW RECOGNITION**

From tiny acorns mighty oak trees grow. An idea from Ilan Ben-Zvi in 1996, nurtured by others, has finally spread its branches as the JACoW collaboration reaches maturity in 2004.

The vision of a Joint Accelerator Conferences Website, maintaining a central database of information of all main participants in the accelerator community and holding electronic copies of all the papers published at the conferences under its umbrella, has taken eight years to reach fruition.

Seven conference series are now involved (PAC, EPAC, APAC, CYCLOTRONS, DIPAC, ICALEPCS, LINAC). The Russian PAC, RUPAC, is about to join, as are several other conference series. A recent decision has confirmed funding to complete the electronic scanning of all PAC and EPAC proceedings back to 1967 and 1988 respectively. The papers will be available to all on the central JACoW site (<http://www.jacow.org>).

At this conference, EPAC'04, the Scientific Programme Management System (SPMS) is being used for the first time. The central database will allow standardised procedures for submission and publication of papers, and will be of immeasurable benefit to those who work so hard behind the scenes to ensure every conference is a success. Delegates will also see improvements, with developments such as the inclusion of facilities for registration, expected to follow.

While many individuals have played a part, none would begrudge recognition to the two people whose foresight and enthusiasm have served to blend so many varied ideas together: John Poole, the Chairman of JACoW, and Christine Petit-Jean-Genaz, the EPAC Conferences Coordinator.

The Organising Committees of the EPAC and PAC conference series would like to acknowledge their achievement and thank them, and all those involved in JACoW, for their efforts to further the dissemination of scientific knowledge throughout the accelerator community.

## **REFERENCES**

- [1] C. Petit-Jean-Genaz and J. Poole, "JACoW, A Service to the Accelerator Community", EPAC'04, Lucerne, July 2004, p. 249, <http://www.jacow.org>.