

JACoW Team Meeting

JACoW Database

Scientific Program Management System (SPMS)

Conference System Functionality



System Requirements



- Oracle 9i Database – Standard Edition.
 - Any OS supported by Oracle.
 - Inter Media (advanced search functionality)
 - Backup & Recovery
 - Disk RAID
 - Exports
- File Server
 - File upload script; minimal logic.
 - Apache (may use Oracle/Apache).
 - Backup & Recovery
 - RAID



Installation



- DDL and Source Codes Scripts run from a single master script.
- Specific DDL for PAC and EPAC.
- Initial data load automatically follows.
- 1st synchronization.
- Batch startup for email and sync.



Customization



- Virtually no hard-coded information.
- Demo: System Parameters
- Demo: Maintenance Tables
- PAC vs. EPAC
 - Presentation
 - Classification (Main) Classification
 - Sub-classification
 - Parent/Child Many to many



Logging



- Contributions – logging since PAC01
- Profiles – New to JACoW SPMS
- Synchronization – all times stored in UTC.
- User-specified date/time format and conversion.



Abstract Submission



- Demo – note favorite authors.



Conference Program



- Automatic generation of Session ID – based on date, type (oral vs. poster) and location.
- Automatic generation of Paper ID – based on Session plus sequencing algorithm.
 - PAC – sub-classification, affiliation, speaker
 - EPAC – country, affiliation, name
- Oral papers number manually.



Paper Submission



- Meta data collected by SPMS.
- Coordination of meta data and file upload.
- Upload script independent of Oracle.
- Better reporting statistics.



Editing



- Expanded logging.
 - Editor trail.
 - Status trail
- Active papers.
- Paper reassignment.
- Demo.

- One script generates:
 - Keywords (no longer entered by authors)
 - HTML pages
 - TOC
 - Author index
 - Keyword index
 - Various text files used to process PDF files.
 - SPIRES export file