

JACoW Team Meeting

JACoW Database
Scientific Program Management System (SPMS)
Registration Module



Registration Module



- One size fits all – not realistic
- Customized for each conference – not realistic
- Solution – all little bit of both
 - Generic code
 - Customizable registration data



Advantages



- One source code
- Administrator has complete control
- Multiple pages (delegates, staff, tour, teachers)
- Same data fields (banquet, reception)
- Routine registration prompts and pages downloaded from repository

- Longer setup time
- Setup more complex (popup lists, “matrix”)
- Not very intuitive (documentation pending)
- Unique database design (see server model)
- Difficult to generate ad hock reports
- Possible solutions:
 - XML, warehouse views, CSV extract files
 - Others? I’m open to suggestions

- Driven by meta data (see server model diagram)
- Prompt, length, mandatory, etc.
- Data Types: text, number, date, fee
- Display styles: text, multi-line, popup lists and yes/no
- Fees optionally attached to any item
- Two items may be combined into one fee structure
- Conditional mandatory requirement based on Y/N item
- Optionally, limits the number of registrants

- Built by adding meta data items
- SPMS
 - builds page using meta data
 - in the specified order
 - validates the input (required, proper data type)
 - calculates the total fees
 - displays an invoice
 - Sends email to user
 - proceeds to payment processing



Payment Processing



- All web traffic encrypted via SSL
- Dynamic payment types
 - Online and Conference only options
- Special instructions per payment type
- Email when payment is processed
- Reminder email (and delay) per payment type
- Tracks credit cards for multiple use
- Sensitive data encrypted in the DB
- Payments time stamped (late fee calculation)



Reports



- Budget – totals by meta data item
- Country/region counts
- Statistics – ad hoc query tool
- Summary Statistics – totals by presentation type and payment type
- Extracts – all meta data dumped by page into Excel spreadsheet