

# **From InDiCo to JACoW**

Hints and Guidelines

John Poole & Volker RW Schaa

# Introduction

- JACoW has been promoting the links between InDiCo and JACoW tools for many years. At the 2006 Team Meeting we agreed to try and build an interface between them.
- First results were reported at the 2008 Team Meeting.
- The first example was ERL'07 and this will be used as an example here.

# Setting up InDiCo

- The basic rule that the quality of the final result is critically dependent on the quality of the data entered, is even more important when using InDiCo.
- Because the InDiCo repository is not managed or maintained to the same level that the SPMS is, it is very easy for errors to creep in.
- Errors or bad information become very apparent when the website is built.

# Session Names

- Take care when setting up the sessions in InDiCo
  - The names are carried through to the final proceedings
- Avoid the use of ‘/’ and other special characters apart from ‘-’ (minus or hyphen) because
  - they don’t look good and
  - ‘/’ is translated to ‘~’ because otherwise the scripts generate broken html code

# Session Data

Session Code and Title are the important parameters

The screenshot shows a web interface for the INDI CO (Integrated Digital Conference) Management Area. The user is logged in as POOLE, John. The main heading is '41st ICFA Advanced Beam Dynamics Workshop on Energy Recovery Linacs'. Below this, there are navigation tabs for 'Conference' and 'Session'. The 'Session' tab is selected, showing details for 'Cryomodules'. A menu bar includes 'Main', 'Files', 'Contributions', 'Timetable', 'Protection', 'Tools', and 'Comment'. The session details are as follows:

<b>Code</b>	WG3-1
<b>Title</b>	Cryomodules
<b>Description</b>	Working Group 3 - Superconducting RF and RF Control
<b>Place</b>	Daresbury Laboratory Daresbury Warrington WA4 4AD Cheshire UK
<b>Start date</b>	Tuesday 22 May 2007 09:00
<b>End date</b>	Tuesday 22 May 2007 13:00
<b>Contribution duration</b>	00h20'
<b>Time table type</b>	standard
<b>Background Color</b>	<input type="color" value="#F0C060"/> #F0C060
<b>Text Color</b>	<input type="color" value="#777777"/> #777777

At the bottom right of the session details, there is a 'modify' button. Below the session details, there are buttons for 'remove', 'new', and 'search'. The 'Conveners' section is currently empty.

Click on modify to edit these data

# Session Code and Title

The screenshot shows the ERL07 website interface. At the top left is the ERL07 logo. The main header contains 'ERL07 - Proceedings Daresbury, UK'. On the top right are navigation links: Home, Session Index, Authors Index, Keyword Index, and List of Institutes. The main content area is divided into two columns. The left column is titled 'Table of Sessions' and lists various sessions with their codes and titles. The right column displays the details for the selected session, 'WG3-1 — Cryomodules (22-May-2007 09:00—13:00)'. This session is highlighted in blue. Below the session title, there is a table with 'Paper Title' and 'Page' columns. The first entry is '33 Review of Cryomodules and SRF Challenges for Light Source Energy Recovery Linacs' with page number '30'. Below this, the author 'A. Nassiri' from Argonne National Laboratory (ANL) is listed. A note states 'no abstract available'. Two yellow arrows point from the text below to the session code 'WG3-1' in the index and the session title in the main frame.

Code	Title
<a href="#">PLNRY</a>	Opening Plenary
<a href="#">WG1-1</a>	DC Guns
<a href="#">WG2-1</a>	Optics Issues for Ongoing ERL Projects (WG2)
<a href="#">WG3-1</a>	Cryomodules
<a href="#">WG4-1</a>	Optics Issues for Ongoing ERL Projects (WG4)
<a href="#">WG1-2</a>	NCRF Guns

Paper Title	Page
<a href="#">33</a> Review of Cryomodules and SRF Challenges for Light Source Energy Recovery Linacs	<a href="#">30</a>

- [A. Nassiri](#)  
Argonne National Laboratory (ANL)

no abstract available

The session code appears in the index and both code and title in the main frame

# Problem in 2008

InDiCo appends '-1' to the session abbreviation in the XML file

- `<name abbr="PLENARY-1">PLENARY</name>`
- `<name abbr="WG1-1-1">First Session of Working Group 1</name>`
- This was a problem in 2008 but has been solved

- Data quality !!!

Authors	
	<a href="#">a</a>   <a href="#">b</a>   <a href="#">c</a>   <a href="#">d</a>   <a href="#">e</a>   <a href="#">f</a>   <a href="#">g</a>   <a href="#">h</a>   <a href="#">i</a>   <a href="#">j</a>   <a href="#">k</a>   <a href="#">l</a>   <a href="#">m</a>   <a href="#">n</a>   <a href="#">o</a>   <a href="#">p</a>   <a href="#">q</a>   <a href="#">r</a>   <a href="#">s</a>   <a href="#">t</a>   <a href="#">u</a>   <a href="#">v</a>   <a href="#">w</a>   <a href="#">x</a>   <a href="#">y</a>   <a href="#">z</a>   <a href="#">[all]</a>
HAGA, Kaiichi	<a href="#">17-Beam Instrumentation for the KEK ERL Test Facility</a> (  <i>paper</i> )
HAJIMA, Ryoichi	<a href="#">10-Development of an Electron Gun for the ERL Light Source in Japan</a> (  <i>paper</i> )
	<a href="#">28-Lattice and Optics Designs of the Test ERL in Japan</a> (  <i>paper</i> )
	<a href="#">30-Bunch Compression and the Emittance Growth due to CSR</a> (  <i>paper</i> )
	<a href="#">32-Analysis of HOM-BBU with Newly Designed Cavities for a Multi-GeV ERL Light Source</a> (  <i>paper</i> )
HAJIMA, Ryoichi	<a href="#">2-ERL07 Working Group 2 Summary: Optics and Beam Transport</a> (  <i>paper</i> )
HAN, Jang-Hui	<a href="#">24-Half Cell Length Optimization of Photocathode RF Gun</a> (  <i>paper</i> )

It is difficult to see what is wrong when you look in this author index



# Author Details

## Details for Dr. Dr. HAJIMA, Ryoichi

Affiliation JAEA

Email [hajima.ryoichi@jaea.go.jp](mailto:hajima.ryoichi@jaea.go.jp)

Address

Telephone

Fax

## Author in the following contribution(s)

[2-ERL07 Working Group 2 Summary: Optics and Beam Transport](#) (  *paper* )

## Details for Dr. Dr. HAJIMA, Ryoichi

Affiliation Japan Atomic Energy Agency (JAEA)

Email


Address

Telephone

Fax

## Author in the following contribution(s)

[10-Development of an Electron Gun for the ERL Light Source in Japan](#) (  *paper* )


[28-Lattice and Optics Designs of the Test ERL in Japan](#) (  *paper* )

[30-Bunch Compression and the Emittance Growth due to CSR](#) (  *paper* )

[32-Analysis of HOM-BBU with Newly Designed Cavities for a Multi-GeV ERL Light Source](#) (  *paper* )

# InDiCo Profile Search

## Search Users and Authors

	<b>Family name</b>	Hajima
	<b>First name</b>	
	<b>Email</b>	
	<b>Organisation</b>	

- search NICE database  
 exact match

Please check the box if you want to add them as submitters:

**Note:** If this person is not already a user they will be sent an email asking them to create an account. After their registration the user will automatically be given submission rights.

Add as submitter

### Search results (2)

- Dr. HAJIMA, Ryoichi  
 Dr. HAJIMA, Ryoichi

# XML Reveals More

```
<contributor type="Author">
  <lname>Hajima</lname>
  <fname>Ryoichi</fname>
  <mname></mname>
  <institutions>
  <institute>
    <full_name abbrev=""
type="">JAEA</full_name>
    <name1/>
    <department/>
    <URL/>
    <town/>
    <postal_code/>
    <zip_code/>
    <country_code abbrev=""/>
  </institute>
</institutions>
<emails>

<email>hajima.ryoichi@jaea.go.jp</email>
</emails>
```

```
<contributor type="Author">
  <lname>HAJIMA</lname>
  <fname>Ryoichi</fname>
  <mname></mname>
  <institutions>
  <institute>
    <full_name abbrev="" type="">Japan Atomic Energy Agency
(JAEA)</full_name>
    <name1/>
    <department/>
    <URL/>
    <town/>
    <postal_code/>
    <zip_code/>
    <country_code abbrev=""/>
  </institute>
</institutions>
<emails>

<email></email>
</emails>
```

# Evidence of Problems

ERL07

## List of Authors

### B

[Borland, M.](#)

[Burril, A.](#)

[Burt, G.](#)

### D

[Dimitrov, D.](#)

### F

[Furuya, T.](#)

### H

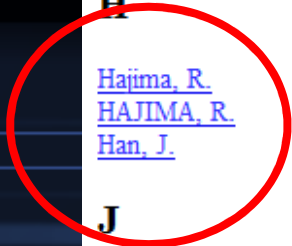
[Hajima, R.](#)

[HAJIMA, R.](#)

[Han, J.](#)

### J

[Jones, L.](#)



# Solving the Problems

- If the profiles exist in InDiCo it is not possible to modify them.
  - It is therefore difficult to manage this kind of problem at source.
- Some things can be fixed, if you can remove the ‘bad’ profile from the contribution and attach the good one.
- In newer JPSP versions all names are changed to Initial Caps and a warning is given that there is a problem with the profile.

# Pragmatic Solution

ERL07

## List of Authors

### B

[Borland, M.](#)  
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### D

[Dimitrov, D.](#)

### F

[Furuya, T.](#)

### H

[Hajima, R.](#)  
[HAJIMA, R.](#)  
[Han, J.](#)

### J

[Jones, L.](#)

A quick fix in the XML  
(changing the case) gives:

ERL07

## List of Authors

### B

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[Burril, A.](#)  
[Burt, G.](#)

### D

[Dimitrov, D.](#)

### F

[Furuya, T.](#)

### H

[Hajima, R.](#)  
[Han, J.](#)

### J

[Jones, L.](#)



# Co-authors

- The XML dump contains co-author listings:
  - this was fixed after the last TM, but
  - make sure you get (at least) version v0.96.2 where Indico JacoW XML export is available
  - the latest updates (co-authors export) are available only from the CVS build and ``will be included in the soon to come 0.97''

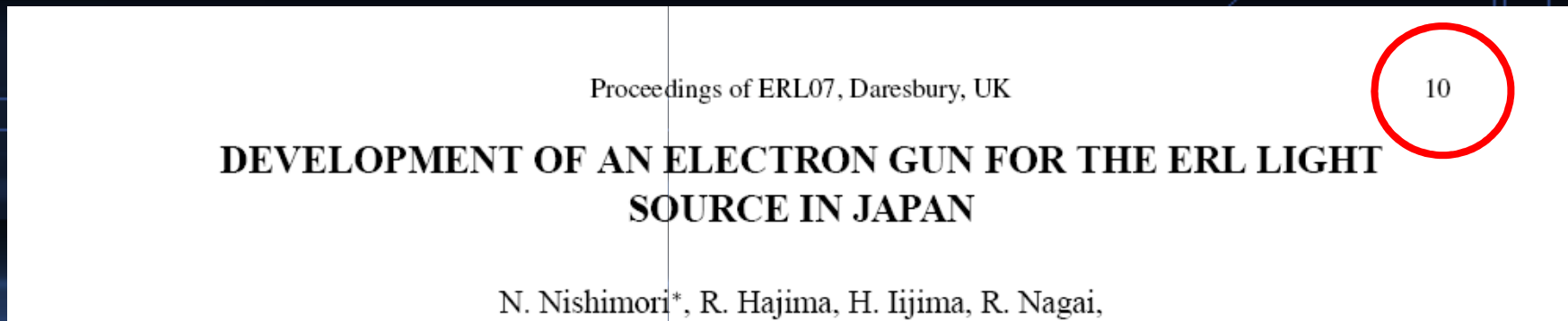
# Paper ID

- The scripts will append a string to the InDiCo paper\_id, which is simply a number.
  - This is the implementation of the suggestion made at the KEK Team Meeting.
- The paper ID will not look like a page number any more when it is included on the final pages in the PDF or the indices (see old version below)

WG1-1 — First Session of Working Group 1 (22-May-2007 09:00—13:00)

Paper	Title	Page
<u>10</u>	Development of an Electron Gun for the ERL Light Source in Japan	<u>11</u>

- [N. Nishimori](#)  
Japan Atomic Energy Agency (JAEA)





# Methodology

- Read the manuals (InDiCo and JPSP) – they are both very useful !
- Run through the process
  - If there are problems, they will almost certainly come from bad data, so go back and fix the original and try again.
- Once it is ~working, it is necessary to fix small things by hand
  - Customise INDEXLOC.HTM and save as INDEX.HTM
  - Modify the banner (html/b0nner.htm) and save a copy (make the links to the conference home relative and point to this instance, remove link to classification index etc.)
  - Re-run spmsbatch.pl against a new XML dump
  - Replace the new b0nner.htm with your saved version.

# Hand Fixing

- Fix what you can in InDiCo.
- There will be no classifications – so modify the banner for the index pages (b0nner.htm).
- Other problems can be fixed in the XML file (as long as you do not download a new XML from InDiCo).
- Fixes in the web pages (banner) are overwritten if spmsbatch.pl is re-run, so you need to make the changes again.

# Conclusion

- The InDiCo to JPSP process is a valuable addition to the JACoW suite of tools and can be considered to be in production.
- This development opens the door for smaller conferences who do not have the resources to implement an SPMS to publish on JACoW
  - The cost however, is in the manpower required for quality control of the data (which is automatically taken care of in SPMS by the repository). However, there are gains.