Short summary of JTM 2025

- Completion of transition from SPMS

In place ➔ JACoW conference series organised via Indico (since 2023)

NEW ➔ JACoW Central Repository entirely on Indico

NEW ➔ JACoW Mailing from CERN to private (paying) provider Brevo

NEW ➔ Privacy Policy with CERN legal service (still ongoing)

NEW ➔ JACoW Proceedings publishing moved to Electra (September 2025)
         where NEW Proceeding Search Engine has been developed

NEW ➔ Proceedings search engine to be released soon

NEW ➔ www.jacow.org being restyled – work in progress

Working Groups ➔

Mobile App WG – work completed, WG dissolved
1. Template WG
2. Documentation & Wiki WG
3. IT tools WG – NEW
4. Central Repository Manager WG – NEW
5. Proceeding publication WG – NEW
6. CERN hosted international collaboration set-up WG – NEW

➢ WG composition and mandate will be published on website

JACoW Board of Directors

- DChair resigned, interim Dchair

Caitlin Hoffman, BNL

Johan Olander
ESS

Maurizio Montis
INFN

Petr Anisimov
LANL

- 2 new co-opted members (2026-2029)

- 3 members coming to end of mandate will remain until next elections
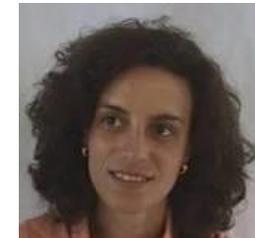

Volker Schaa
GSI

Johan Olander
ESS

Thakonwat
Chanwattana
SLRI

Jana Thomson
TRIUMF

Adriana Rossi
CERN

- 2025-2027

JACoW workflow examples (IPAC) and roles

JACoW.org

Authors, Editors & JACoW Roles

- Authors
  - Read and consumes papers
  - Submit abstracts
  - Managed co-authors, affiliations and other metadata
  - Write papers
  - Looks up references for formatting
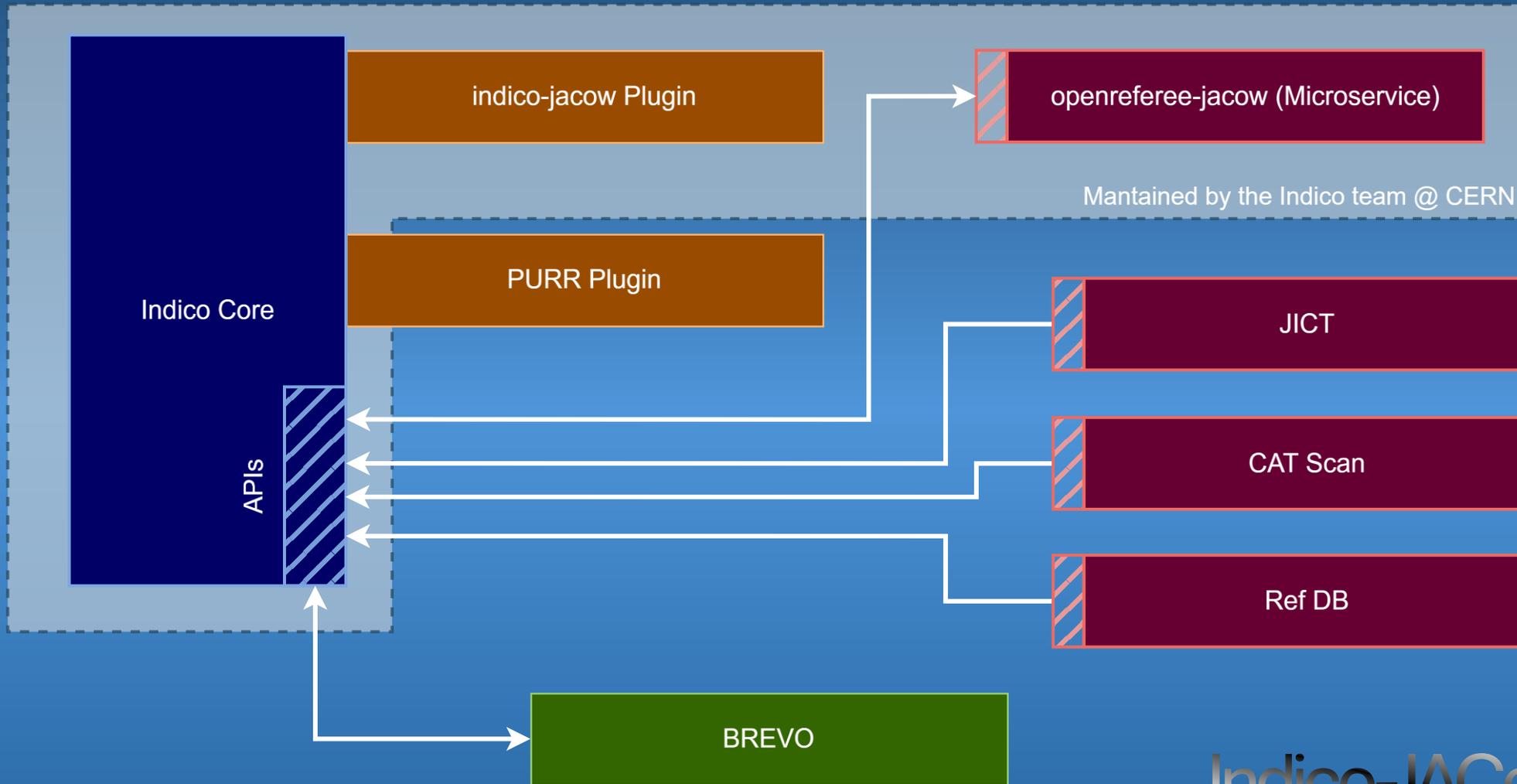 - Uses CAT scan to validate
- Editors
  - Process papers
  - Looks up references for formatting
  - Produce PDF in correct file format
  - Quality assures papers so they are prepared for publication

- JACoW Roles
  - Manage events in Indico, each conference or meeting needs their own event
  - Maintains Users & Affiliations
  - Configures workflows, tags, roles
  - Sends announcements for upcoming events
  - Documentation and knowledge transfer

Task	Tool/Platform
Read/consume papers	JACoW Proceedings Archive
Submit abstracts	Indico
Manage co-authors/affiliations/metadata	Indico
Write papers	Templates, Authoring tools, JACoW.org
Reference formatting	Templates, Reference Search Tool
Paper quality validation	CATScan
Process papers	Indico, Authoring Tools
Produce PDF/quality assurance	Editor Workstation
Manage events/users/workflows	Indico
Announcements	Indico, Mailing Lists
Documentation/knowledge transfer	JACoW.org, Indico, JACoW Docs
Publication of Proceeding	Meow, Purr, CAT & Proceedings Server

indico-jacow Plugin

openreferee-jacow (Microservice)

Mantained by the Indico team @ CERN

Indico Core

PURR Plugin

JICT

APIs

CAT Scan

Ref DB

BREVO

Indico-JACoW

Mailing Integration (Brevo)

My Profile

Dashboard

Personal data

Profile picture

Emails

Mailing Lists

Preferences

Accounts

Favourites

Applications

API tokens

HTTP API

Data export

Logs

Mailing Lists

Conference 1	⬤
Conference 2	⬤
Conference 3	⬤
Conference 4	⬤
Conference 5	⬤

+ MULTIPLE AFFILIATIONS

Indico-JACoW

Plans for the future

- **Peer Review Module improvements**

- Greater Accessibility (a11y)

- UI Improvements and legacy code removal
  - React-based timetable

- User Interfaces
  - Improvements in material editor (e.g. better drag and drop)
  - Responsive interfaces that work OK on mobile

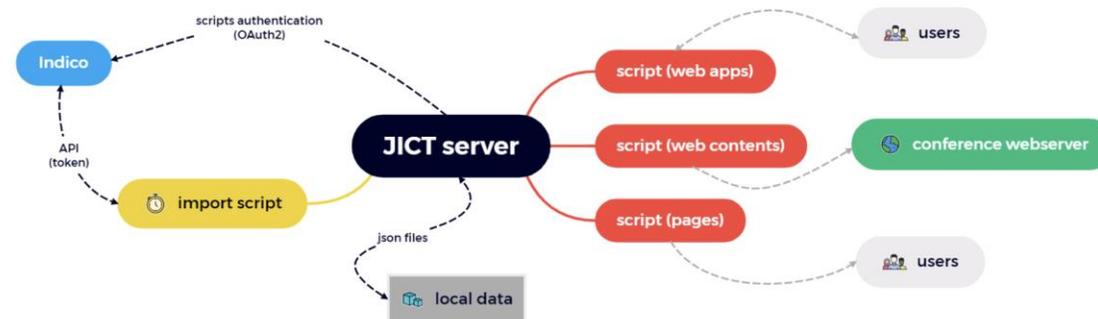- More user-centric home page

- More info in our roadmap (https://getindico.io/roadmap/)

Indico-JACoW

JICT

What is JICT

- **J**ACoW-**I**ndico **C**onference **T**ools
- JICT is a collection of scripts that interface with Indico to provide tools and information that the system does not offer.
- They are designed to help organizers during the various phases of the event.
- It is available on github

  https://github.com/JACoW-org/JICT

Plugging **CatScan** into INDICO @IPAC'25

Word:

- At 278 Word contributions in Indico. 110 (42%) have subsequent uploads with improvements by authors.

- In total, authors addressed **4,636** identified by CatScan

LaTeX:

- At 419 LaTeX (non BibTex) contributions in Indico. 163 (38%) have subsequent uploads with improvements by authors.

- In total, authors addressed **1,053** identified by CatScan

CatScan

Word Check

1. Notified By Indico of a new upload
2. Reads document
3. Produces detailed report
4. Posted comment on paper with a link to the report (new)
5. Authors and Editors can click the link to quickly access a CatScan report

LaTeX Check (new)

1. Notified by Indico of a new upload
2. Reads document
3. Checks for common issues (common issue codes on the right)
4. Produces detailed report
5. AI used to summarise report as a comment
6. Posted comment on paper (or displays on website)

We achieved the dream from 2019!
On upload CatScan performs the check and provides feedback in a comment
Author's can address issues themselves!

RefSearch https://refs.jacow.org/

What it does

1. Widely used free web application for authors and editors
2. Outputs LaTeX / BibTex and Word references in the JACoW format
3. Search index of all published and unpublished JACoW papers (~76,000)
4. Indexes for unpublished papers including for the current conference
5. Now also searches external papers

What's new

1. Creation of public search API
2. Improvements to external search (journal lookup, and doi search)
3. Introduction of hyperlinks to DOIs for latex (using \doi command) and word
4. Conference status on list page
5. CatScan integration - Reference cross-checking

NEXT:
Automatic Conference Population - During and Post Conference
BibTeX Database
Integration with Single-Sign On from Indico

Processing slides

… means producing PDF files of transparencies

- The aim of the slides processing editor is to produce JACoW compliant PDF files of the presentations for inclusion in the proceedings.

-

- A detailed description can be found at:
  https://www.jacow.org/JTM2016/ProcessingTransparenciesEmbeddingAnimations

- There is no need to edit the type setting or layout, but you have to make sure the following:

- **all fonts must be embedded**

- **all missing characters should be fixed**

- **slides should be free of overlapping issues**

- **multimedia content (videos, animated gifs) should be embedded**

What's new since 2023 JACoW TM?

- Slide Processing is embedded in the SpeakerReadyRoom since 2024 -> enlarged tasks for presentation managers

- New repository: We work with INDICO instead of SPMS -> new workflow

- Nice new JICTool programmed by Stefano Deiuri for Slide Processing

Thorough manual walk through

Editing with Word, Latex and PDF

Manuals with tricks and suggestions

IPAC'25 Workflow

IT support for JACoW @ IPAC'25

IPAC25 Summary

Key Success Factors:
- Standardization of hardware and software
- Automation through scripts like update-po.bat
- Clear team structure and responsibilities
- Redundancy in critical systems
- Responsive problem-solving by skilled team members

Areas for Improvement:
- Better capacity planning for poster sessions
- Enhanced network reliability for photo uploads
- Earlier integration testing to catch linking issues

Final Thought: Managing IT for a major international conference requires meticulous planning, skilled team members, automated systems, and the flexibility to solve unexpected problems quickly. With proper preparation and the right team, even the most complex technical challenges can be successfully managed.

NSRRC
Taiwan Photon Source

IPAC25 Summary

Scale: We successfully processed approximately 870 papers, supported 86 oral presentations, managed over 1,200 poster presentations, and provided seamless IT services across two major venues for six days.

Hardware Success: The standardized approach with 30 identical MSI gaming laptops, dual monitors, and comprehensive support equipment proved reliable throughout the conference.

Software Complexity: The extensive software stack with 27 applications, custom configurations, and automated deployment scripts ensured editors had all necessary tools.

Integration Challenges: Connecting Indico, AWESOMEET, EC PAY, JICT, and the mobile app required significant problem-solving, but ultimately provided a seamless experience for attendees.

NSRRC
Taiwan Photon Source

Thinking about your Workload

- Challenges with Predictability of Submission Numbers

	Initial Abstracts	Published Papers	Reduction
IPAC'23	2,270	1,402	38%
IPAC'24	1,691	1,050	38%
IPAC'25	1,735	≈ 870	49%

Role	IPAC'24	IPAC'25
Editor in Chief	1	1
Editor + QA	27	21
Presentation Management	4	3
Author Reception	4	3
Support/Development	2	2
	38	30
Reduction		21%
IT Support	1	1

Papers progress

IPAC25   IPAC24   IPAC23

days to deadline (2025-05-28)

File Types
- tex   598   69%
- docx   264   31%
- odt   1   0%

Types
- Poster Presentation   1167   93%
- Contributed Oral Presentation   49   4%
- Invited Oral Presentation   35   3%
- Industry Session (Invited)   3   0%
- Special (Award) Presentation   4   0%

ANSTO

Workflow Overview

Submitter

CatScan Report

Editor

QA Editor

ARTAC

Yellow: Request Acceptance

Red: Back to Author

Request metadata fix

Edit Accepted

QA Fail

Author Reception Title Author Check

See presentation, full of goof insights

Snowballing of issues

Reinforcing idea that new template should be run through full tests before release

JAVA script by N. Delerue --- Indico??

Improved voting procedure (2)

IPAC26

- You arrive in the voting page (based on javascript)

Loaded

IPAC26

Your JACoW user name

User name: Nicolas Delerue

Summary of your votes

Column to sort by MC and then choice

Abstracts titles

Suggested invited oral presentations for IPAC'26

				Your votes				
	MC1	MC2	MC3	MC4 MC5	MC6	MC7	MC8
First priority	4	1	0	0 0	1	2	5
Second priority	0	0	1	0 0	1	1	1

(column headers with buttons are sortable)

Click for more details

Dtb ID	F. ID ↑	MC	Title	Speaker	Affiliation	Region - Country	Gender	...rity	More details	Vote	MC and Vote
9242	4	MC..	Commissioning SLS 2.0 - successes and learnings	Andreas Streun	Paul Scherrer Institut	EMEA - CH	Male	Don't know	De...ls	1st choice / Vote 2nd / Cancel vote	MC2 1..
9257	6	MC8	Particle Accelerator-driven Muon Spectroscopy: An invaluable tool to understand our material world.	Adrian Hillier	Science and Technology Facilities Council	EMEA - GB	Male	Senior	Details	1st choice / Vote 2nd / Cancel vote	MC8 1st..
9259	8	MC2	Challenges of multi-bunch instabilities at diffraction-limited storage ring light sources	Francis Cullinan	MAX IV Laboratory	EMEA - SE	Male	Post-doc/ young researcher	Details	2nd choice / Vote 1st / Cancel vote	MC2 2nd
9260	9	MC2	Picosecond X-ray pulses at storage ring light sources: what's new?	Markus Ries	Helmholtz-Zentrum Berlin für Materialien und Energie GmbH	EMEA - DE	Male	Middle career	Details	Not chosen / Vote 1st / Vote 2nd	~MC2
9261	10	MC8	The FLASH technique at the intersection of physics, chemistry, biology, and cancer medicine	Marie-Catherine Vozenin	Lausanne University Hospital	EMEA - CH	Female	Advanced	Details	Not chosen / Vote 1st / Vote 2nd	~MC8

Buttons to votes

LPR evaluation process

- Processing of a paper:
  - Upon submission a paper is assigned to two referees (see later for paper/referee matching) asking them to review the paper within 10 days.
  - Referees are asked to click on a form to confirm that they will review the paper
    - Reminders are sent to referees if they do not confirm their acceptance or submit the paper by the deadline.
  - Once the two reviews are received they are assessed by the Scientific Publication Board (SPB). Decision can be:
    - Accept the paper as is
    - Reject the paper (significant flaw that can't be corrected)
    - Ask for corrections => 2nd round.
  - In case of 2nd round the author is asked to correct the paper
    - The same referees are asked to evaluate the paper in the second round.
    - On the second round, the referees can only suggest to accept or reject t...
    - Upon receiving the two reviews the SPB decides on the paper.

How can Jacow help the LPR

IJCLab — Irène Joliot-Curie — Laboratoire de Physique des 2 Infinis

Work on going with Indico

- Better unique identification...:
  - Several participants us... ...nt spelling for their name as author, as volunteer reviewer or as participa... ...nitial, space, middle name,...). This create confusion!
    - Identify authors and conference participants by a unique id (SPMS database?).
  - The same affiliation appeared with different spelling (CERN, Europeean Organization for Nuclear Research, C.E.R.N.,...)
    - Use a unique id for institutions (SPMS databse?).
- Papers compliance:
  - Some papers were obviously non-compliant with Jacow proceedings rules.
    - **Require LPR to go through the CAT scan? Have a record of that validation.**
- For better referee allocation:
  - Allow queries through an API to the Jacow publication database to find someone's field of expertise (with a unique participant ID).

Thank you
For participating to the JACoW Team Meeting
&
For your present and future contribution