



# Activity Report

## Regional Support Centres

*Ronny Billen*

**JACoW SPMS Regional Manager – EMEA**

**JACoW Conference Proceedings Web-Publisher - EMEA**



*Kazuro Furukawa*

*Also on behalf of*

**JACoW Conference Proceedings Web-Publisher - ASIA**

*Takashi Kosuge*

**JACoW SPMS Regional Manager – ASIA**



# SPMS Conferences Supported since JTM2022

RSC EMEA

hosted at CERN managed by Ronny Billen

RSC Asia & Americas

hosted at KEK managed by Takashi Kosuge

Deployment	Conference	Start Version	Patched to	Sync.	SPMS hosting
28-May-2021	FLS-2023 *	11.1.14	11.2		RSC EMEA
08-Jul-2021	IPAC-2023	11.1.14	11.2		RSC EMEA
22-Sep-2022	SRF-2023	11.2		✓	RSC Asia & Americas
18-Mar-2022	IBIC-2023	11.1.15	11.2	✓	RSC Asia & Americas
17-Nov-2022	ICALEPCS-2023	11.2		✓	RSC EMEA
10-Nov-2022	MEDSI-2023	11.2		✓	RSC Asia & Americas
25-Nov-2022	HB-2023	11.2		✓	RSC EMEA
6-Dec-2022	COOL-2023	11.2		✓	RSC EMEA
20-Apr-2023	SAP-2023	11.2		✓	RSC EMEA

\* Originally in 2022

Except for SAP-2023, no additional SPMS instance was created in 2023 for any future conference.

All future conferences are deployed as Indico events

The end for SPMS support for conference instances is near...but the Central Repository remains necessary

# SPMS Sanity Check - [https://oraweb.cern.ch/pls/jacow/conf\\_list.html](https://oraweb.cern.ch/pls/jacow/conf_list.html)

SPMS Conference List (434648)		Synchronization tag	Future Conferences
181)	ICALEPCS 2091 (434648) Tsukuba, Japan	Nov 11-15	International Conference on Accelerator and Large Experimental Physics Control Systems
180)	MEDSI 2023 (434648) Beijing, China		Proton Radiation Equipment and Instrumentation
179)	HB 2023 (434648) Geneva, Switzerland		
178)	COOL 2023 (434648) Montreux, Switzerland	Oct 09-13	Beam Cooling
177)	ICALEPCS 2023 (434648) Cape Town, South Africa		International Conference on Accelerator and Large Experimental Physics Control Systems
176)	IBIC 2023 (434648) Saskatoon, Canada		International Beam Instrumentation Conference
175)	FLS 2023 (434648) Lucerne, Switzerland	Aug 27-Sep 01	ICFA ABDW Workshop on Future Light Sources
174)	SAP 2023 (434648) Xichang, China	Jul 10-12	Symposium on Accelerator Physics
173)	SRF 2023 (434648) Grand Rapids, USA		
172)	IPAC 2023 (434648) Venice, Italy		
171)	CYCLOTRONS 2022 (434648) Beijing, China		Applications
170)	ECRIS 2022 (434648) Gandhinagar and Gujarat, India	Oct 12-14	Electron Cyclotron Resonance Ion Source
169)	PCaPAC 2022 (434648) Dolni Brezany, Czech republic	Oct 04-07	Personal Computers and Particle Accelerators Controls
168)	ERL 2022 (434648) New York, USA		ICFA ABDW Workshop on Energy Recovery Linacs
167)	eeFact 2022 (434648) Frascati, Italy		
166)	IBIC 2022 (434648) Krakow, Poland		International Beam Instrumentation Conference
165)	LINAC 2022 (434648) Liverpool, UK	Aug 28-Sep 01	Linear Accelerator Conference
164)	FEL 2022 (434648) Trieste, Italy	Aug 22-26	International Free-Electron Laser Conference
163)	PAC 2022 (434648) Albuquerque, USA	Aug 07-12	North American Particle Accelerator Conference
162)	HIAT 2022 (434648) Darmstadt, Germany	Jun 27-Jul 01	Heavy-Ion Accelerator Technology
161)	EBIST 2022 (434648) Whistler, Canada	Jun 14-17	International Symposium on Electron Beam Ion Sources and Traps
160)	IPAC 2022 (434648) Bangkok, Thailand	Jun 12-17	International Particle Accelerator Conference
159)	COOL 2021 (434648) Budker INP (virtual)	Nov 01-05	Beam Cooling
158)	ICALEPCS 2021 (434648) Shanghai, China	Oct 16-22	International Conference on Accelerator and Large Experimental Physics Control Systems
157)	RUPAC 2021 (434648) Alushta, Russia	Sep 27-Oct 01	Russian Particle Accelerator Conference
156)	IBIC 2021 (434648) Gyeongju, Korea	Sep 12-16	International Beam Instrumentation Conference
155)	SRF 2021 (434648) Grand rapids, MI, USA	Jun 26-Jul 02	Superconducting RF
154)	HB 2021 (434648) Chicago, IL, USA	Jun 14-18	ICFA ABDW Workshop on Hadron Beams
153)	IPAC 2021 (434648) Foz do Iguazu, Brazil	May 23-28	International Particle Accelerator Conference

Synchronization tag

Future Conferences

Synchronized with central repository

Past 2023 conferences, not yet published

Past conference, Published, Repatriated, data frozen

Past conference, Published, can be repatriated

Past Conferences

Past 2022 conferences, not yet published

# JACoW Publications

## ➤ JACoW's Mission = Publishing Conference Proceedings

- ❖ Currently **248** conferences published; **~74'000** papers
- ❖ **8** proceedings since the 2022 Team Meeting

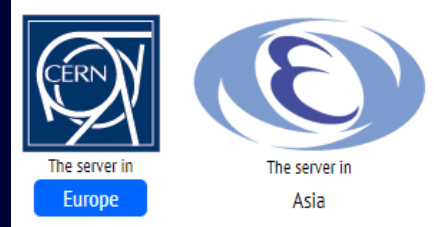
C.Series	Count of Conferences	C.Series	Sum of Number of papers	C. Series	Sum of Number of talks	C. Series	Sum of Number of Posters
+ ABDW	23	+ ABDW	1,387	+ ABDW	1,359	+ ABDW	44
+ APAC	4	+ APAC	1,076	+ APAC	68	+ APAC	
+ BIW	3	+ BIW	281	+ BIW	66	+ BIW	51
+ COOL	8	+ COOL	319	+ COOL	264	+ COOL	43
+ Cyclotrons	22	+ Cyclotrons	2,807	+ Cyclotrons	332	+ Cyclotrons	93
+ DIPAC	7	+ DIPAC	768	+ DIPAC	77	+ DIPAC	53
+ ECRIS	7	+ ECRIS	355	+ ECRIS	242	+ ECRIS	65
+ EPAC	11	+ EPAC	9,074	+ EPAC	294	+ EPAC	
+ FEL	15	+ FEL	2,782	+ FEL	662	+ FEL	88
+ HIAT	5	+ HIAT	310	+ HIAT	221	+ HIAT	19
+ IBIC	11	+ IBIC	1,644	+ IBIC	386	+ IBIC	635
+ ICALEPCS	12	+ ICALEPCS	3,611	+ ICALEPCS	911	+ ICALEPCS	1,395
+ ICAP	5	+ ICAP	360	+ ICAP	263	+ ICAP	8
+ IPAC	14	+ IPAC	16,851	+ IPAC	1,204	+ IPAC	400
+ LINAC	31	+ LINAC	5,903	+ LINAC	538	+ LINAC	258
+ MEDSI	3	+ MEDSI	344	+ MEDSI	125	+ MEDSI	193
+ NA-PAC	4	+ NA-PAC	1,367	+ NA-PAC	524	+ NA-PAC	187
+ PAC	24	+ PAC	19,316	+ PAC	556	+ PAC	
+ PCaPAC	7	+ PCaPAC	488	+ PCaPAC	233	+ PCaPAC	186
+ RuPAC	9	+ RuPAC	1,481	+ RuPAC	400	+ RuPAC	59
+ SAP	2	+ SAP	93	+ SAP		+ SAP	
+ SRF	21	+ SRF	3,362	+ SRF	549	+ SRF	483
<b>Grand Total</b>	<b>248</b>	<b>Grand Total</b>	<b>73,979</b>	<b>Grand Total</b>	<b>9,274</b>	<b>Grand Total</b>	<b>4,260</b>

# JACoW Publications 2023



Conference proceedings are normally generated and provided by the Conference “Editor-in-Chief”

The final QA check and web-publication is done by Kazuro Furukawa (KEK server) and Ronny Billen (CERN server)



Publication Date	Conference	Papers (count)	Talks (count)	Posters (count)	Photos / Videos (MB)	Total (MB)	Proceedings Generation
8-Dec-2022	NA-PAC-2022	255	136	67	0	1,679	Volker Schaa
15-Dec-2022	IBIC-2022	130	40	43	0	1,126	Volker Schaa
27-Feb-2023	eeFACT-2022	44	67	0	2	699	Volker Schaa
27-Feb-2023	PCaPAC-2022	33	19	10	1	166	Volker Schaa
17-Jul-2023	FEL-2022	128	57	0	54	1,312	Ivan Andrian (CAT tool)
27-Jul-2023	IPAC-2023	1,401	96	0	11	16,563	Ivan Andrian (CAT tool)
6-Nov-2023	Cyclotrons-2022	98	58	39	0	747	Volker Schaa
8-Nov-2023	SRF-2023	207	82	65	8	2,022	Volker Schaa

## Note:

Due to the technological **obsolescence** of the CERN/JACoW Search Engine, **certain functionalities have disappeared** (e.g. keyword search)

Papers generated by the CAT tool are **not found** by the CERN/JACoW Search Engine

A **new search engine** is under development

# Significant Issues, Things to Follow Up

## ➤ Security issues

- ❖ SPMS IPAC2023 could have been shut down just before the start of the conference
- ❖ Significant security breaches identified ⇒ rapidly solved
- ❖ Disclosure of personal details ⇒ solved mostly as well
- ❖ Damocles' sword still hanging... while Central Repository is still an SPMS

## ➤ JACoW Search Engine

- ❖ JPSP generated pdf files (metadata) adapted to find results
- ❖ CAT generated pdf files not found
- ❖ Need for an explicit indexation action by CERN/IT expert per publication

## ➤ Out-phasing JACoW Search Engine

- ❖ May 2024 doomsday: CERN/JACoW Search Engine will be decommissioned
  - New API to be implemented to reproduce JACoW Search functionality, help needed...