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Sincrotrone
Trieste

JACoW-Indico conference tools and information screens

What is JICT

- JACoW-Indico Conference Tools
- 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

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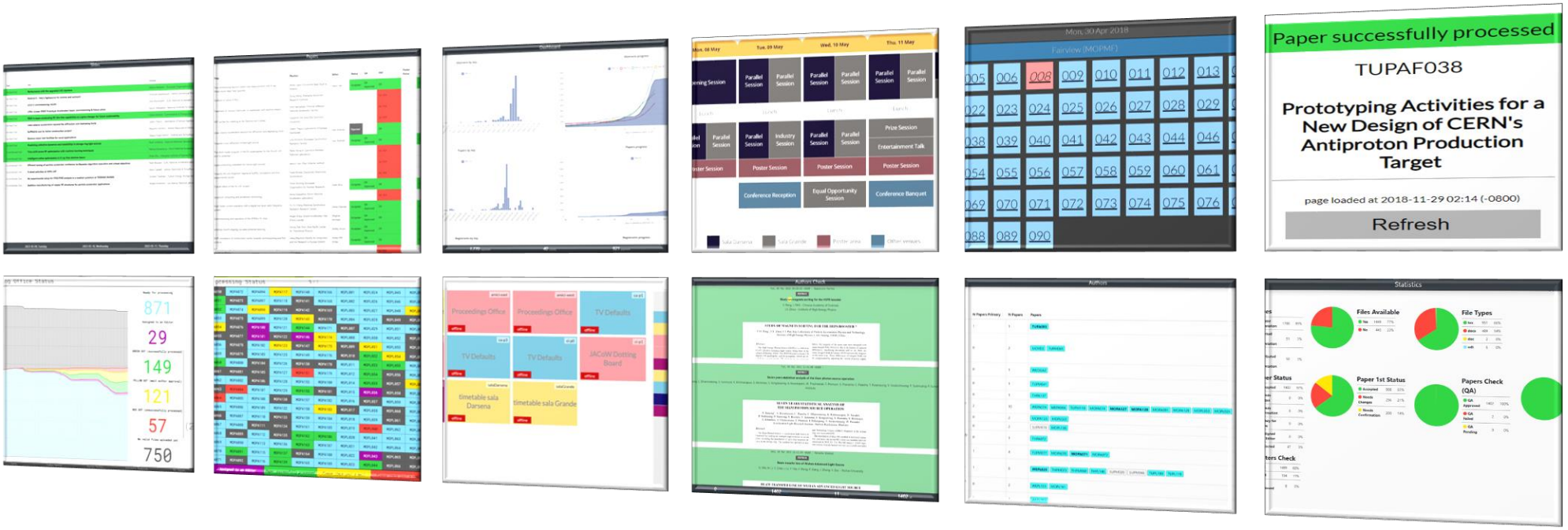
new collection

JICT includes several new scripts, these were created for new needs and to have information that was once produced by the SPMS (es. Statistics)



Generated contents

Scripts generate different types of content, such as:

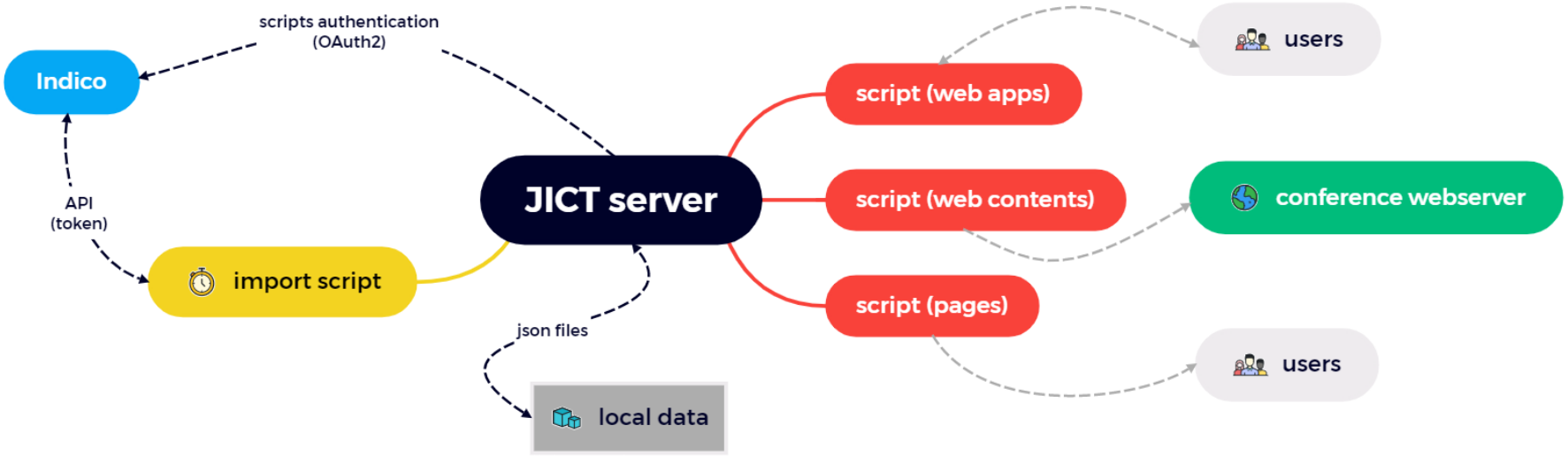
- **embedable contents**: they are primarily intended to be incorporated into the conference website (es. registrants, charts, agenda). They can be easily customized using templates and style sheets.
- **web app:** these allow the collection of data that will be useful for the production of the proceedings (es. poster police, authors check, slides)
- **stand alone pages**: information pages (es. authors, papers, statistics, …)

From CWS to JICT

- With the transition from SPMS to Indico it was necessary to update the scripts.
- Indico provides various APIs to export data, with these it was possible to have all the data necessary for the functioning of the scripts.
- The import script has been completely rewritten.
- The scripts that generate the content required only minimal modification.

The data

- The system works with local data.
- The data is periodically imported from Indico and saved in different files (authors, abstracts, papers, posters, slides, ...).
- The import procedure takes some time, this is proportional to the number of contributions, for large conferences like IPAC it can take up to 10 minutes.
- The frequency and other operating parameters are set in the configuration file.


scripts authentication
(OAuth2)
Indico
API
(token)
import script
JICT server
json files
local data
script (web apps)
script (web contents)
script (pages)
users
conference webserver
users

Permissions

- In the previous version all scripts were visible to authorized users (without distinction of roles) for IPAC23 a new access management based on Indico accounts and Roles has been implemented.
- in the configuration file, for each script there is the allow_roles option which can be set in the following ways
  - allow_roles =>['WSA', 'WSP'] *// users with these Roles*
  - allow_roles =>['*'] *// all users that have a Role in indico*
  - allow_roles =>[] *// public access*

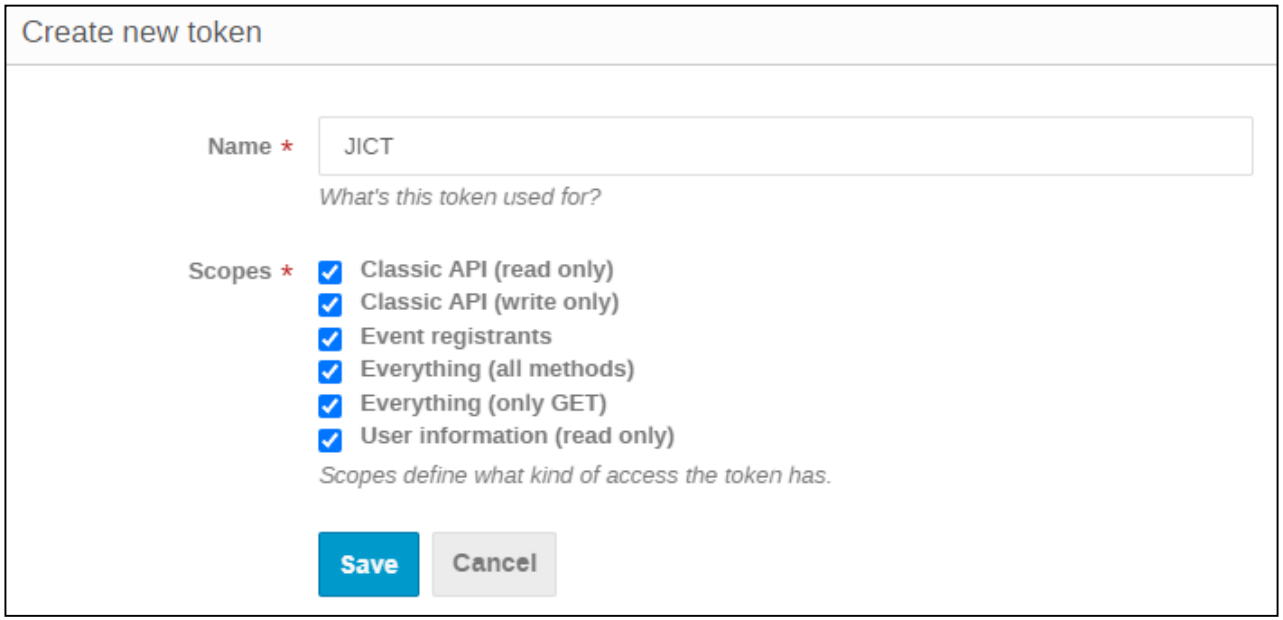
Configuration

- The configuration file is config.php
- Some mandatory parameters are empty by default and must be set.

```
$cws_config =[
    'global' =>[
        'conf_name'         =>'', // IPAC XX
        'conf_url'          =>'', // https://www.ipacXX.org/

        'indico_server_url' =>'', // https://indico.jacow.org
        'indico_event_id'   =>'', // XY
        'indico_token'      =>'', // indp_....

        'indico_oauth' =>[
            'client_id'     =>"", // ask the Indico Team or leave empty for public access
            'client_secret' =>"", // ask the Indico Team
            'redirect_uri'  =>""  // https://www.ipacXX.org/JICT/indico_oauth.php
            ],

        'root_url'          =>'', // https://www.ipacXX.org/JICT
        'root_path'         =>'', // /var/www/html/ipacXX/JICT';
```

Indico token

- To be able to use some Indico APIs, requests must be "signed" with the token of a user with sufficient privileges to read and write data
- https://indico.jacow.org/user/tokens/



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Server requirements

required software for the server are:

- linux OS
- apache web server
- php 7
- wget
- xpdf

new collection

- App Paper Status
- App Poster Police
- Authors **(NEW 2022)**
- Authors Check **(NEW 2022)**
- Conference Information System (Admin) **(NEW 2023)**
- Conference Information System (client) **(NEW 2023)**
- Dashboard **(NEW 2023)**
- Paper Processings Status (Dotting Board)
- Papers **(NEW 2022)**
- Proceedings Office Status
- Programme
- Registrants
- Slides **(NEW 2023)**
- Statistics **(NEW 2022)**

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index page

JICT IPAC'23 JACoW-Indico Conference Tools stefano.deiuri@elettra.eu

- App Paper Status
- App Poster Police
- Authors
- Authors Check
- BarCode Page
- Conference Information System (CIS Admin)
- Dashboard
- Paper Processings Status (Dotting Board)
- Papers
- Proceedings Office Status
- Programme
- Registrants
- Slides
- Statistics

IPAC23

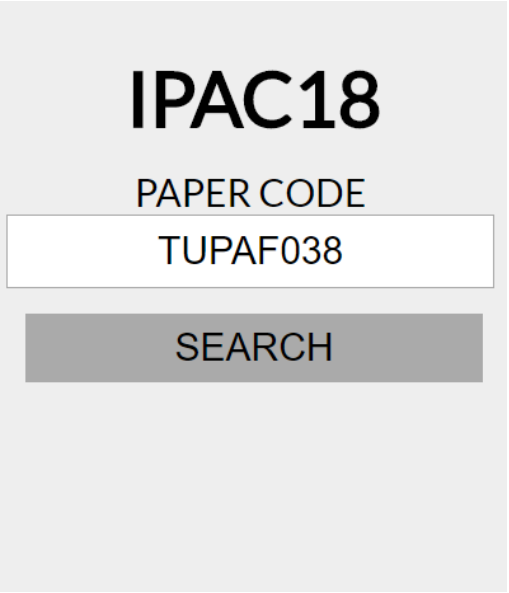
Venice, Italy

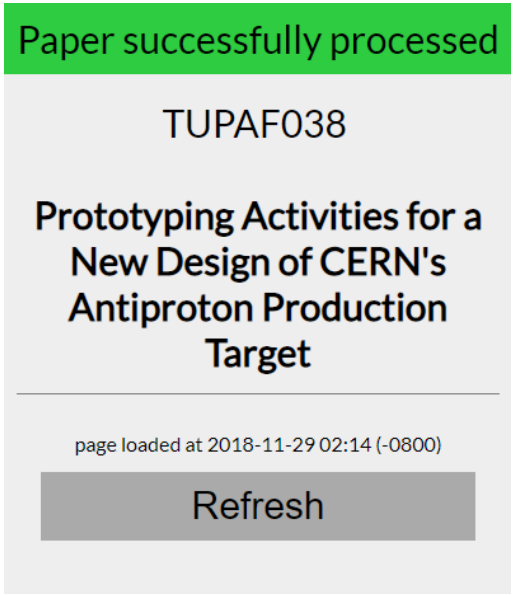
7 - 12 May 2023

Indico

App Paper Status

- This page allows participants to quickly check the status of a paper processings.
- A QRcode available on the screens of the "Paper Processing Status" allows easy access to this page.





App Poster Police

- This is a tool to collect information about the posters - needed for the production of the proceedings
- it provides a web interface that works with any browse
- the interface is optimised for the tablets
- it can be used simultaneously on more than one device

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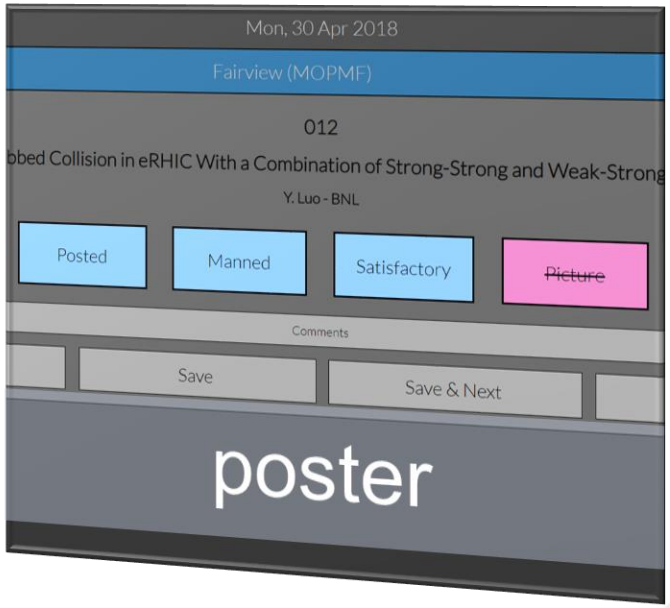
App Poster Police



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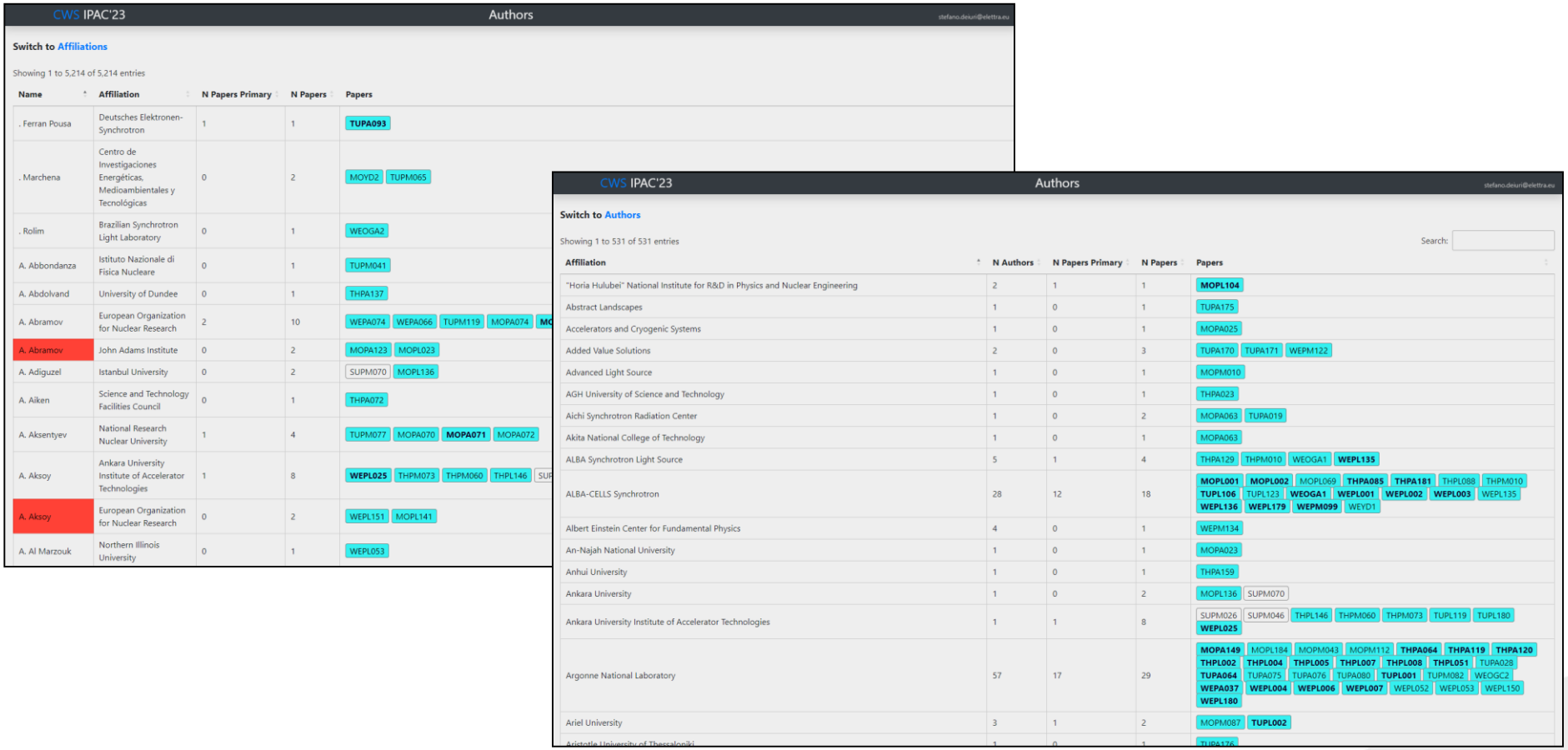
Authors - NEW

This page is used to monitor authors and affiliations



Authors Check - NEW

- This tool is used by the author reception to be able to compare the title and authors between Indico and PDF papers
- for the SPMS a Volker's script was used to produced an useful printouts for this comparison
- with this new page the verification can also be done on screen

Authors Check

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Trieste

Tue, 09 May 2023 16:29:15 +0200 - Magdalena Montes

MOPM044

Study on magnets sorting for the HEPS booster

Y. Peng, J. PAN - Chinese Academy of Sciences
J.X. Zhou - Institute of High Energy Physics

STUDY OF MAGNETS SORTING FOR THE HEPS BOOSTER *

Y.M. Peng†, J.X. Zhou, J.T. Pan, Key Laboratory of Particle Acceleration Physics and Technology, Institute of High Energy Physics, CAS, Beijing, 10049, China

Abstract

The High Energy Photon Source (HEPS) is a 1360.4 m, 6 GeV, ultralow-emittance light source, being built in the suburb of Beijing, China. The HEPS booster contains 128 dipoles,148 quadrupoles and 68 sextupoles, which are di-

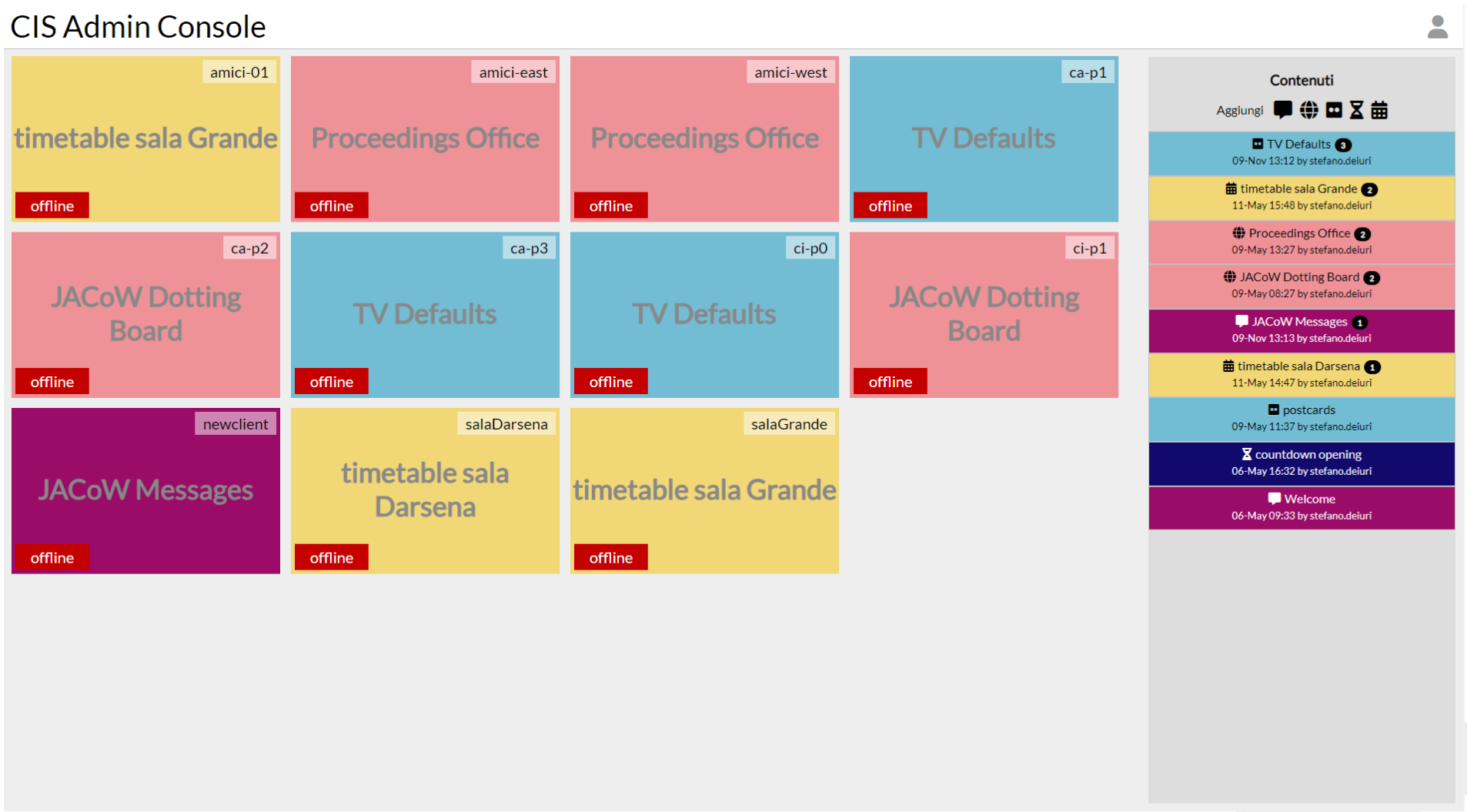
lattice, the magnets of the same type were designed with same integral field. However, due to the factors of material differences, machining deviations and so on, there are some integral field deviations (IFD) between the magnets of the same type. These differences of integral fields can be compensated by adjusting the current of power supply

Conference Information System (CIS) - NEW

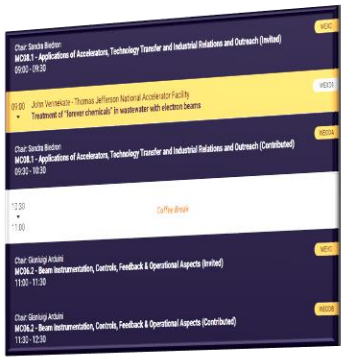
- this service was created for IPAC'23 as the conference center did not provide a broadcast information service
- the administration interface is used to create content and assign it to clients
- the contents available are:
  - timetable (agenda)
  - countdown
  - web page (used for dotting board and PO status)
  - text messages
  - photo albums (request a flickr Pro account)

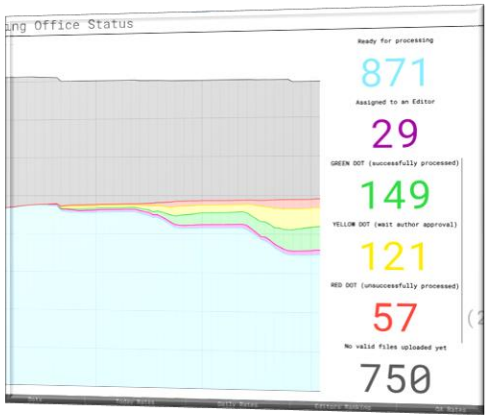
✓ The 10 clients were a mini PC (Windows and Linux) connected to a TV

Conference Information System - Admin



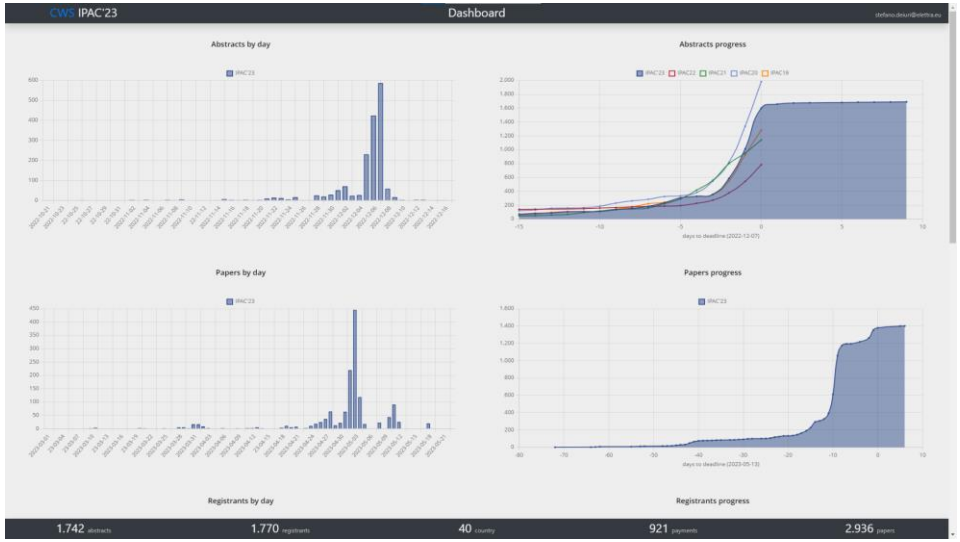
Conference Information System - Clients

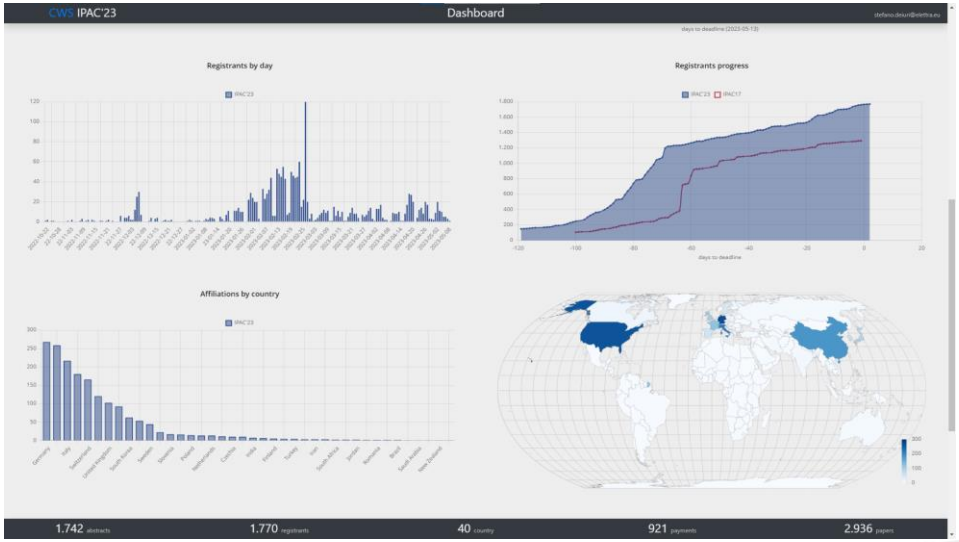




Dashboard - NEW

This page is dedicated to the organizers and is designed to be able to monitor the progress of the various phases of the event, such as: abstract submission, registrations, payments, paper submission.





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Paper Processing Status

IPAC'23 Paper Processing Status 1/7 09:17:50

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MOOD3	MOPA023	MOPA052	MOPA074	MOPA098	MOPA119	MOPA142	MOPA169	MOPL003	MOPL027	MOPL048	MOPL070	MOPL091	MOPL116
MOOG1	MOPA025	MOPA053	MOPA075	MOPA099	MOPA120	MOPA143	MOPA170	MOPL004	MOPL028	MOPL049	MOPL071	MOPL092	MOPL117
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MOPA006	MOPA037	MOPA062	MOPA082	MOPA106	MOPA128	MOPA153	MOPA180	MOPL014	MOPL035	MOPL057	MOPL079	MOPL100	MOPL125
MOPA008	MOPA039	MOPA063	MOPA084	MOPA107	MOPA129	MOPA155	MOPA181	MOPL015	MOPL036	MOPL058	MOPL080	MOPL101	MOPL126
MOPA009	MOPA040	MOPA064	MOPA085	MOPA108	MOPA130	MOPA157	MOPA182	MOPL016	MOPL037	MOPL059	MOPL081	MOPL102	MOPL127
MOPA010	MOPA041	MOPA065	MOPA086	MOPA109	MOPA132	MOPA158	MOPA183	MOPL017	MOPL038	MOPL060	MOPL082	MOPL103	MOPL128
MOPA011	MOPA044	MOPA066	MOPA087	MOPA110	MOPA133	MOPA159	MOPA184	MOPL018	MOPL039	MOPL061	MOPL083	MOPL104	MOPL130
MOPA016	MOPA045	MOPA067	MOPA088	MOPA111	MOPA134	MOPA161	MOPA185	MOPL019	MOPL040	MOPL062	MOPL084	MOPL105	MOPL131
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Ready for processing | Assigned to an Editor | Paper successfully processed | Please check your e-mail | Please check your e-mail | No valid files uploaded yet

Papers - NEW

- This tool is used to check whether the papers can be published in the proceedings, in particular it is possible to see: editing status, QA status, PDF OK*, result of the poster police, authors check, authors registered, authors present
- The table is filterable and sortable so it is easy to see which papers have problems

* the import script downloads completed papers while another performs the following checks:

- page size
- page number
- embedded fonts

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CWS IPAC'23 — Papers — stefano.deiuri@elettra.eu

Showing 1 to 1,894 of 1,894 entries — Search:

Abstract ID	Program Code	Type	Title	PAuthor	Editor	Status	QA	PDF	Poster Police	Authors Check	Author Registered	Author Present
5	WEYD1	Invited Oral Presentation	Two-dimensional electron beam size measurements with X-ray Heterodyne Near Field Speckles	Mirko Siano (Università degli Studi di Milano)	Jaeyu Lee	Accepted	QA Approved	OK		OK	OK	OK
29	FRXD2	Invited Oral Presentation	Outlook to future X-FELs	Dong Wang (Shanghai Advanced Research Institute)				NO PDF			OK	OK
36	WEXD1	Invited Oral Presentation	Treatment of "forever chemicals" in wastewater with electron beams	John Vennekate (Thomas Jefferson National Accelerator Facility)				NO PDF			OK	OK
39	THYG1	Invited Oral Presentation	SRF cavities for crabbing at the Electron-Ion Collider	Subashini De Silva (Old Dominion University)				NO PDF			OK	OK
45	MOZD1	Invited Oral Presentation	Laser-plasma acceleration beyond the diffraction and dephasing limits	Cedric Thaury (Laboratoire d'Optique Appliquée)	Ivan Andrian	Rejected		OK			OK	OK
47	WEXG1	Invited Oral Presentation	Towards a true diffraction limited light source	Lina Hoummi (European Synchrotron Radiation Facility)	Ivan Andrian	Accepted	QA Approved	OK		OK	OK	OK
55	WEZD2	Invited Oral Presentation	The short model program of Nb3Sn quadrupoles for the HiLumi LHC and its potential	Paolo Ferracin (Lawrence Berkeley National Laboratory)				NO PDF			OK	OK
97	TUZD1	Invited Oral Presentation	Superconducting undulators for future light sources	Marco Calvi (Paul Scherrer Institut)				NO PDF			OK	OK
99	TUZD2	Invited Oral Presentation	Towards the sub-Ångström regime at EuXFEL: simulations and first experimental results	Frank Brinker (Deutsches Elektronen-Synchrotron)				NO PDF			OK	OK
129	TUYG1	Invited Oral Presentation	Overall status of the HL-LHC project	Oliver Brüning (European Organization for Nuclear Research)	Joele Mira	Accepted	QA Approved	OK		OK	OK	OK
137	FRXG3	Invited Oral Presentation	Quantum computing and accelerator technology	Anna Grassellino (Fermi National Accelerator Laboratory)				NO PDF			OK	OK
146	THXG1	Invited Oral Presentation	High-beam current operation with a digital low-level radio frequency system	Fu-Yu Chang (National Synchrotron Radiation Research Center)	Johan Olander	Accepted	QA Approved	OK		OK	OK	OK
162	FRXD3	Invited Oral Presentation	Commissioning and operation of the SPIRAL2 SC linac	Angie Orduz (Grand Accélérateur Nat. d'Ions Lourds)	Meghan McAteer	Accepted	QA Approved	OK		OK	OK	OK
166	TUXD1	Invited Oral Presentation	Arbitrary bunch shaping via wake potential tailoring	Young Dae Yoon (Asia Pacific Center for Theoretical Physics)	Ashley Arcuri	Accepted	QA Approved	OK		OK	OK	OK
195	THYD1	Invited Oral Presentation	FAIR completion of construction works, towards commissioning and first science	Joerg Blaurock (Facility for Antiproton and Ion Research in Europe GmbH)	Volker RW Schaa	Accepted	QA Approved	OK		OK	OK	OK
202	FRXD1	Invited Oral Presentation	Coherence in High Gain FELs: from electron intrabeam scattering to quantum effects	Giovanni Perosa (Università degli Studi di Trieste)				NO PDF			OK	OK

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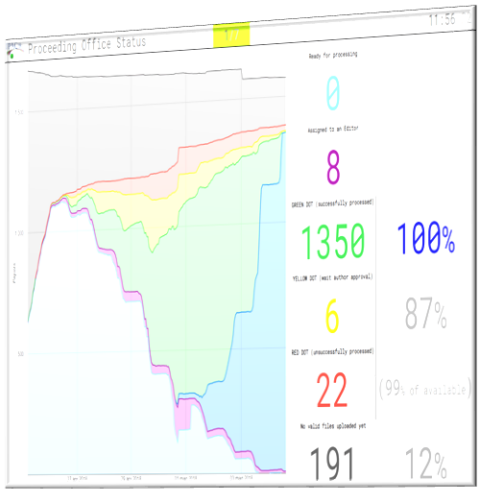
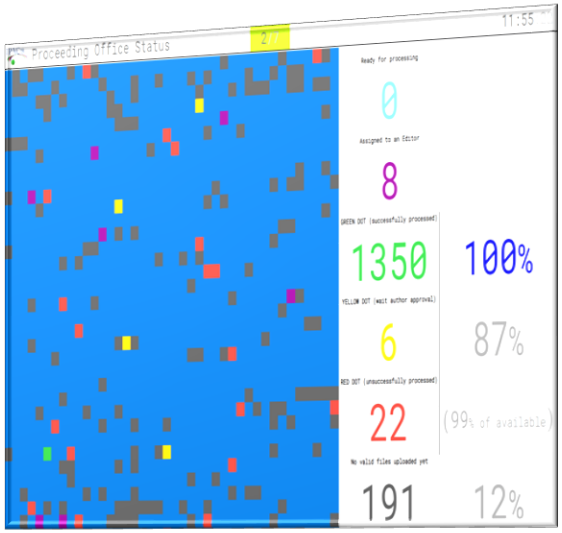
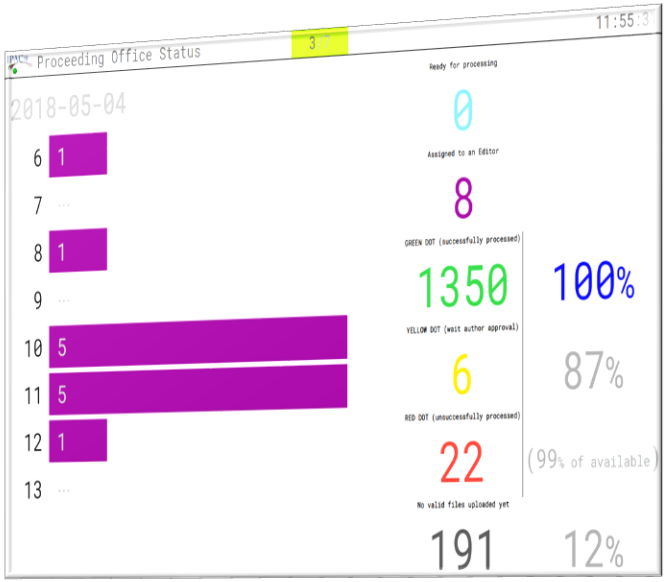
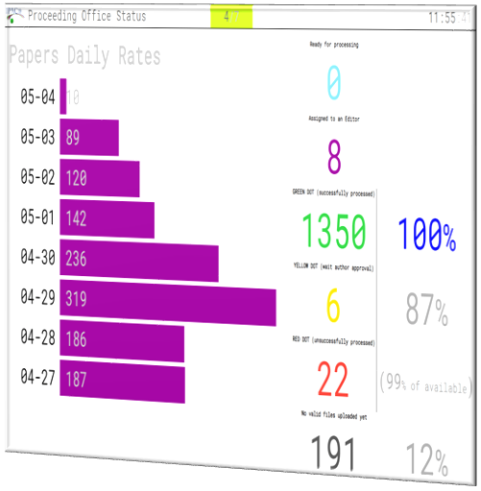
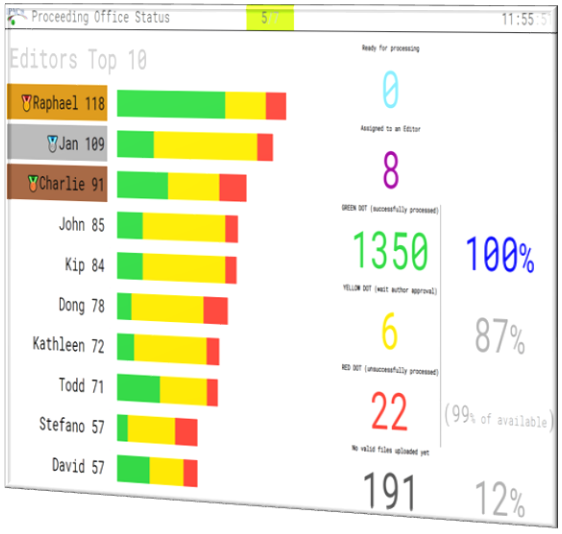
Proceedings Office Status

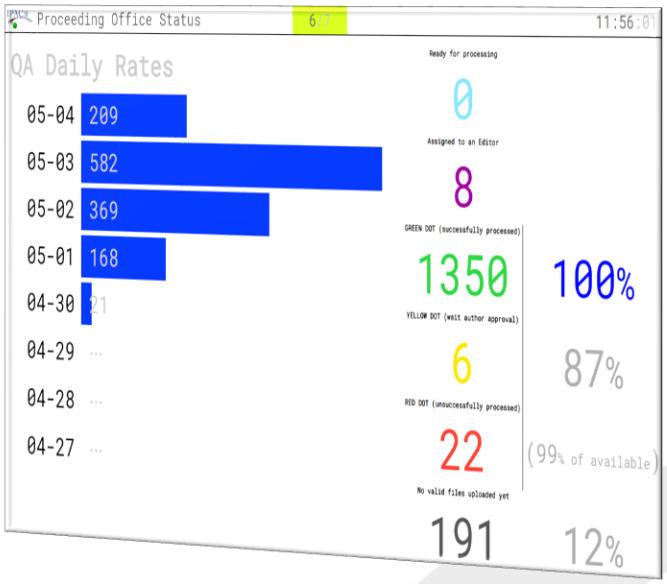












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Programme

The Scientific Programme

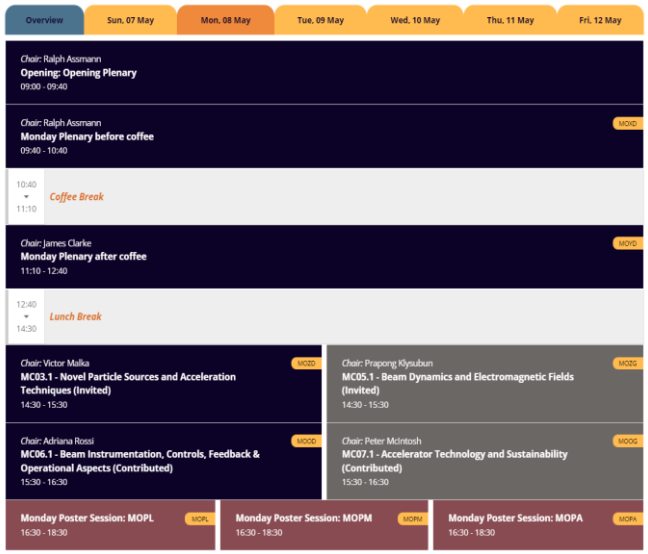
The Scientific Programme is the result of a collaboration of the Scientific Programme Committee with the Organizing Committee and the Scientific Advisory Board. The main interest is to guarantee the most selected and appropriate scientific contribution to the conference.

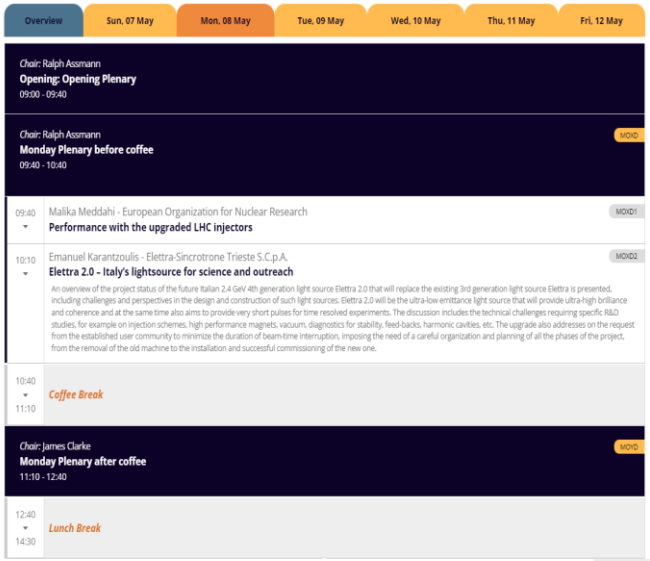
It has been ensured that the accelerator community is effectively represented in terms of its diversity and inclusion, there are contributions from 22 countries (including Ukraine), comprising 60 organisations, with 25% from female presenters.

The Scientific Programme foresees Invited Oral presentations (30 minutes), Contributed Oral presentations (20 minutes) and Poster presentations (available every afternoon from Sunday to Thursday).

The opening, prize and closing sessions will also be broadcasted through Internet.

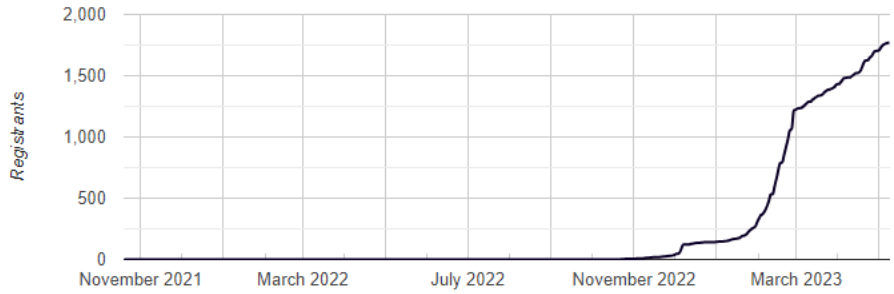
The Synoptic Table of Scientific Programme is available for download in PDF version.





Registrants

List of Participants

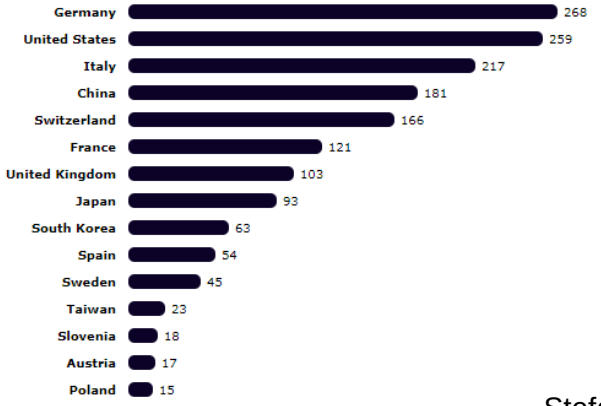


1742 delegates, from **40** countries

ABDISATAROV BEKTUR (Fermi National Accelerator Laboratory, United States)
AHN TAESUNG (Pohang Accelerator Laboratory, South Korea)
AI FENGLI (Bergoz Distributor Conveyi@CN, China)
ARGOD Florent (Teledyne Signal Processing Devices, Sweden)
Aakersten Peter (Scandinova Systems AB, Sweden)
Aaltonen Rauno (International Electric Company Oy, Finland)
Aare Robert (Estonian Business and Innovation Agency, Estonia)
Abel Robert (Science and Technology Facilities Council, United Kingdom)
Ablyatifov Sadi (TET Estel AS, Switzerland)

…niversiteit Eindhoven, Netherlands)
…a Engineering Limited, United Kingdom)
…Rostock University, Germany)
…o (Belgian Nuclear Research Centre in Mol, Belgium)
…iranda (VDL Enabling Technology Group, Netherlands)
… Rick (Technische Universiteit Eindhoven, Netherlands)
…ben Tiziana (European Organization for Nuclear Research, Switzerland)
…grong (Institute of Modern Physics, Chinese Academy of Sciences, China)
… qiuyu (University of Science and Technology of China, China)
… guodong (Institute of High Energy Physics, China)
… 창기 (Pohang Accelerator Laboratory, South Korea)

Countries



Slides - NEW

- This tool is designed for the Speaker Preparation Room.
- Provides a view of the slide divided by days.
- Provides some quick links to open the Indico pages with the contribution information or to download the slides file.
- Allows to mark presentations that have been verified and are ready to be presented.
- It can be used on multiple computers

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CWS IPAC'23 | Slides | stefano.deiuri@elettra.eu

Showing 1 to 15 of 15 entries

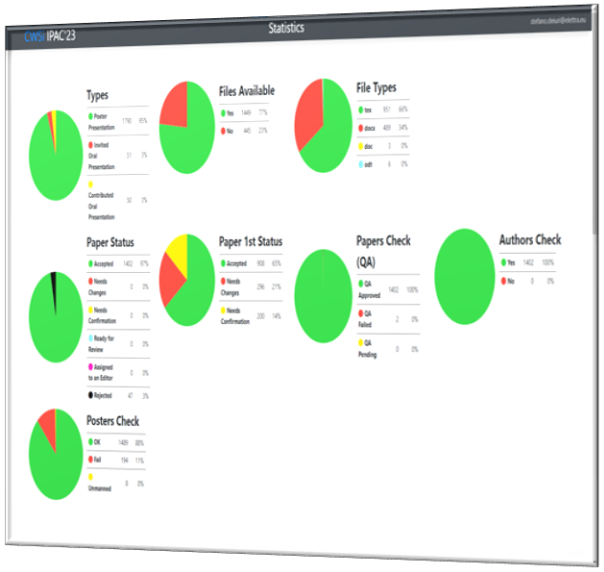
Search:

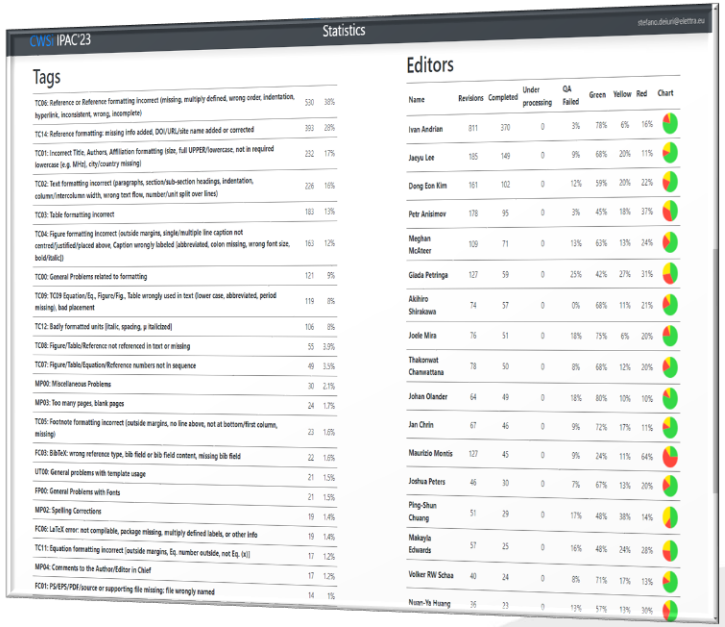
Order	Time	Code	Room	Type	Title	Presenter
01	09:40	**MOXD1**	SalaDarsena	Invited Oral	**Performance with the upgraded LHC injectors**	Malika Meddahi - European Organization for Nuclear Research
02	10:10	**MOXD2**	SalaDarsena	Invited Oral	**Elettra2.0 – Italy's lightsource for science and outreach**	Emanuel Karantzoulis - Elettra-Sincrotrone Trieste S.C.p.A. [**OK**]
03	11:10	**MOYD1**	SalaDarsena	Invited Oral	**LCLS-II commissioning results**	Axel Brachmann - SLAC National Accelerator Laboratory [**OK**]
04	11:40	**MOYD2**	SalaDarsena	Invited Oral	**LIPAc (Linear IFMIF Prototype Accelerator) beam commissioning & future plans**	Kazuo Hasegawa - National Institutes for Quantum Science and Technology [**OK**]
05	12:10	**MOYD3**	SalaDarsena	Invited Oral	**R&D in super-conducting RF: thin film capabilities as a game changer for future sustainability**	Claire Antoine - Commissariat à l'Energie Atomique
06	14:30	**MOZD1**	SalaDarsena	Invited Oral	**Laser-plasma acceleration beyond the diffraction and dephasing limits**	Cedric Thaury - Laboratoire d'Optique Appliquée [**OK**]
07	15:00	**MOZD2**	SalaDarsena	Invited Oral	**EuPRAXIA and its Italian construction project**	Massimo Ferrario - Istituto Nazionale di Fisica Nucleare [**OK**]
08	14:30	**MOZG1**	SalaGrande	Invited Oral	**Electron beam test facilities for novel applications**	Deepa Angal-Kalinin - Science and Technology Facilities Council [**OK**]
09	15:00	**MOZG2**	SalaGrande	Invited Oral	**Predicting collective dynamics and instabilities in storage ring light sources**	Ryan Lindberg - Argonne National Laboratory
10	15:30	**MOOD1**	SalaDarsena	Contributed Oral	**Time-drift aware RF optimization with machine learning techniques**	Ralitsa Sharankova - Fermi National Accelerator Laboratory
11	15:50	**MOOD2**	SalaDarsena	Contributed Oral	**Intelligent online optimization in X-ray free-electron lasers**	Zihan Zhu - Shanghai Institute of Applied Physics
12	16:10	**MOOD3**	SalaDarsena	Contributed Oral	**Efficient tuning of particle accelerator emittance via Bayesian algorithm execution and virtual objectives**	Ryan Roussel - SLAC National Accelerator Laboratory [**OK**]
13	15:30	**MOOG1**	SalaGrande	Contributed Oral	**X-band activities at INFN-LNF**	Fabio Cardelli - Istituto Nazionale di Fisica Nucleare [**OK**]
14	15:50	**MOOG2**	SalaGrande	Contributed Oral	**An experimental setup for PIXE/PIGE analysis in a medical cyclotron at TENMAK-NUKEN**	Gorkem Turemen - Turkish Energy, Nuclear and Mineral Research Agency [**OK**]
15	16:10	**MOOG3**	SalaGrande	Contributed Oral	**Additive manufacturing of copper RF structures for particle accelerator applications**	Sergey Kurennoy - Los Alamos National Laboratory [**OK**]

2023-05-08, Monday (34%) | 2023-05-09, Tuesday | 2023-05-10, Wednesday | 2023-05-11, Thursday | 2023-05-12, Friday

Statistics - NEW

- this page shows charts and statistics useful for organizing work in the PO
- includes statistics about editors and tags





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