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JACoW-Indico Conference Tools and information screens

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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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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 check)
- **info pages**: provides various information through tables and charts (es. authors, papers, statistics, …)

JICT as a service

- This year some conferences have requested to use JICT from jacow.org

PRO

- Don’t need a server to run JICT
- Don’t need to configure JICT

CONS

- Limited customization
- No content for conference website

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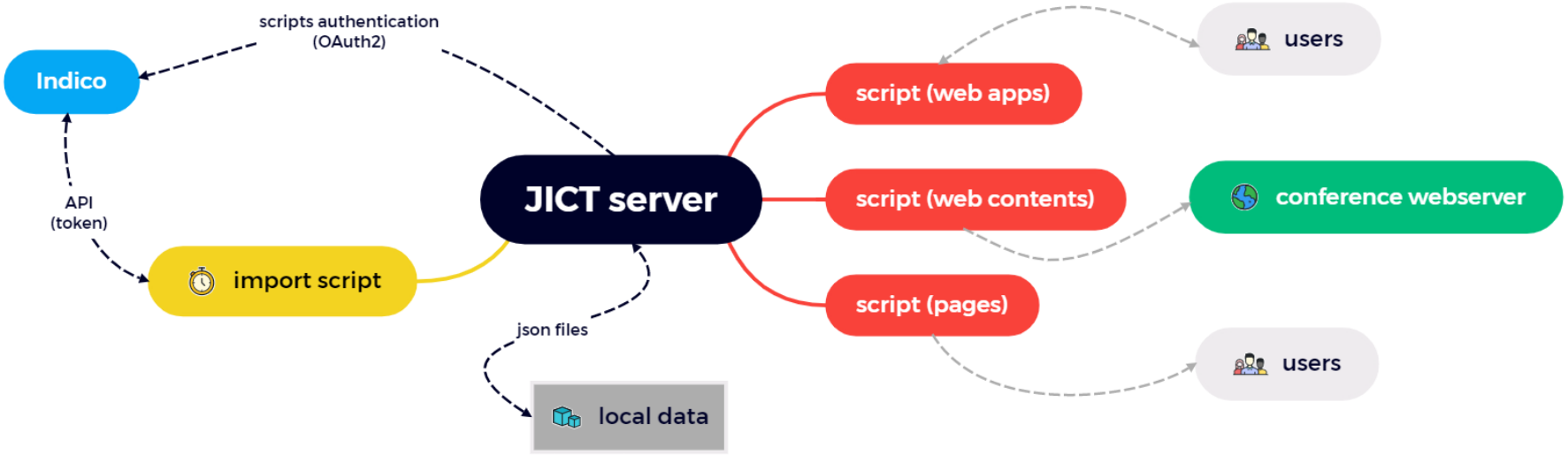
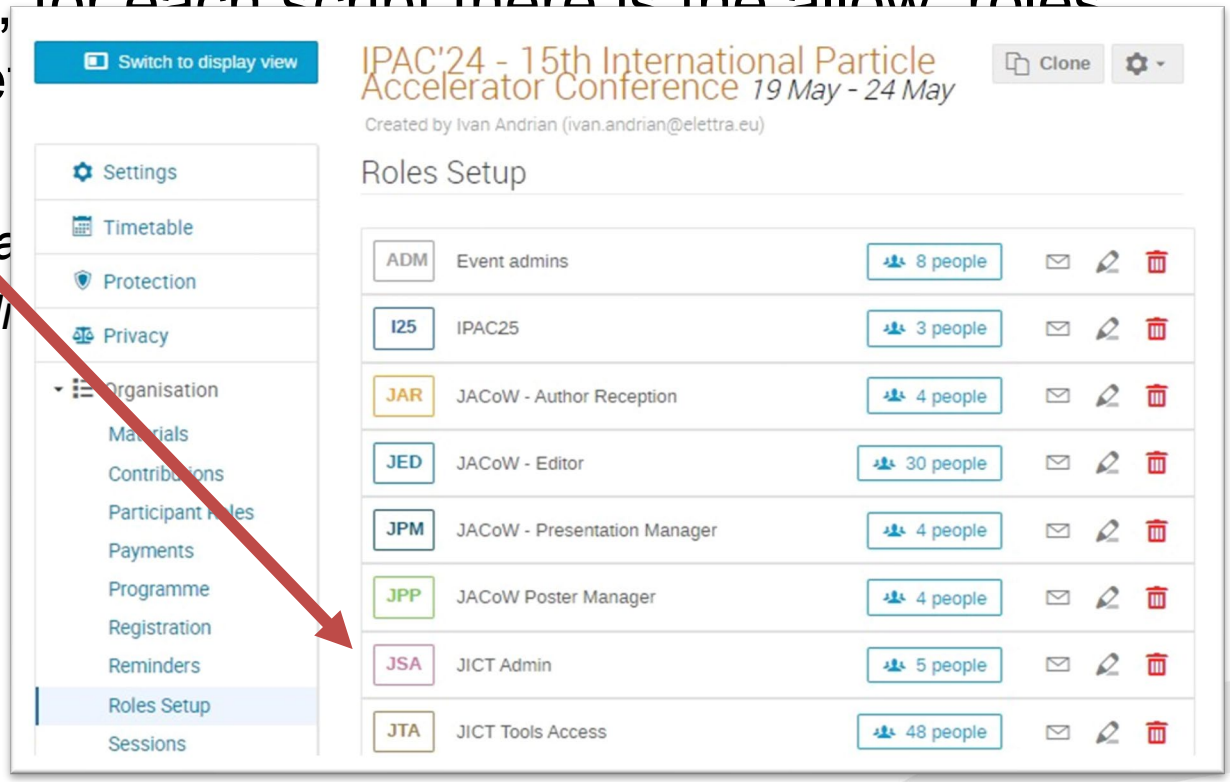
The data

- 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 a few 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

- The access management is based on Indico accounts and Roles.
- in the configuration file, for each script there is the allow_roles option which can be se
  - allow_roles =>['JSA',
  - allow_roles =>['*'] // a
  - allow_roles =>[] // publi



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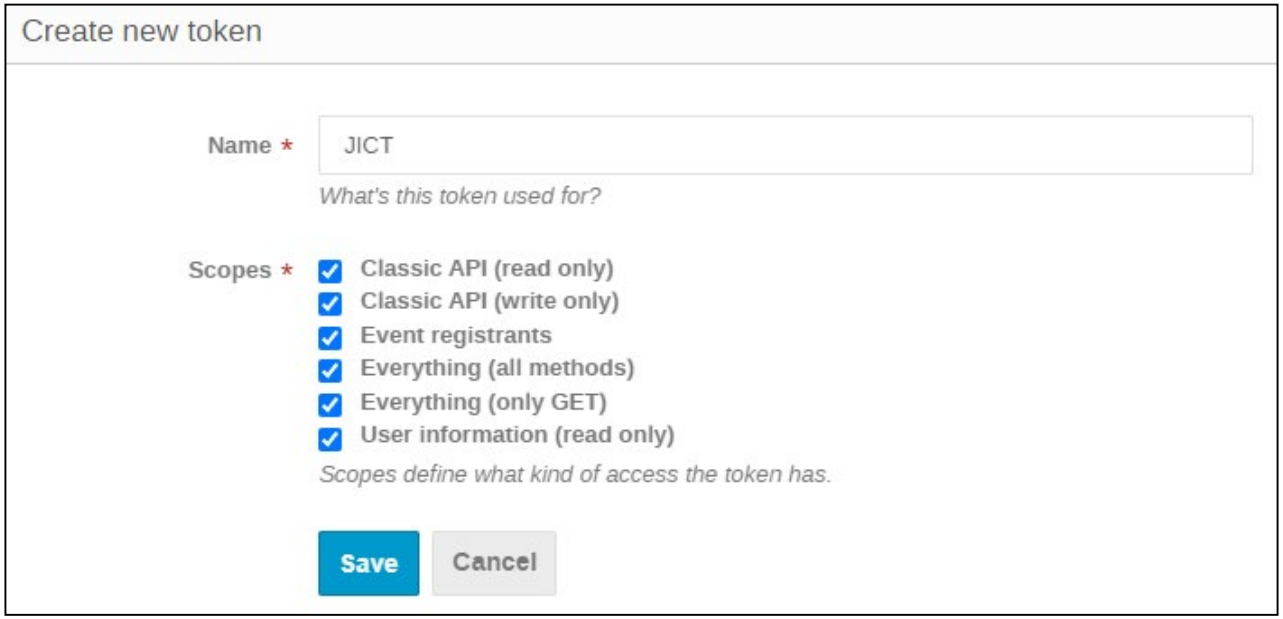
Configuration

- 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
- web server
- php 7
- wget
- xpdf

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the collection updates

- **Web apps**
  - App Paper Status
  - App Poster Police
  - Authors Check **(NEW 2022)**
  - Slides Check **(NEW 2023)** **(UPDATED 2024)**
- **Website contents**
  - Charts
  - Programme
  - Registrants
- **Info pages**
  - Authors **(NEW 2022)**
  - Dashboard **(NEW 2023)**
  - Dotting Board
  - Papers **(NEW 2022)**
  - Proceedings Office Status
  - Statistics **(NEW 2022)** **(UPDATED 2024)**

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

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- Programme
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- Slides
- Statistics

IPAC23

Venice, Italy

7 - 12 May 2023

Indico

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Dotting Board (Paper Processing Status)

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

MOOD1	MOPA021	MOPA050	MOPA072	MOPA094	MOPA117	MOPA140	MOPA166	MOPL001	MOPL024	MOPL045	MOPL068	MOPL089	MOPL113
MOOD2	MOPA022	MOPA051	MOPA073	MOPA097	MOPA118	MOPA141	MOPA168	MOPL002	MOPL026	MOPL046	MOPL069	MOPL090	MOPL115
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
MOOG2	MOPA026	MOPA054	MOPA076	MOPA100	MOPA121	MOPA144	MOPA171	MOPL007	MOPL029	MOPL051	MOPL072	MOPL094	MOPL118
MOOG3	MOPA027	MOPA055	MOPA077	MOPA101	MOPA122	MOPA146	MOPA174	MOPL008	MOPL030	MOPL052	MOPL073	MOPL095	MOPL119
MOPA001	MOPA031	MOPA056	MOPA078	MOPA102	MOPA123	MOPA147	MOPA175	MOPL009	MOPL031	MOPL053	MOPL074	MOPL096	MOPL120
MOPA002	MOPA032	MOPA059	MOPA079	MOPA103	MOPA125	MOPA149	MOPA176	MOPL010	MOPL032	MOPL054	MOPL075	MOPL097	MOPL122
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MOPA020	MOPA049	MOPA071	MOPA092	MOPA116	MOPA139	MOPA165	MOPA189	MOPL023	MOPL044	MOPL066	MOPL088	MOPL112	MOPL136

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

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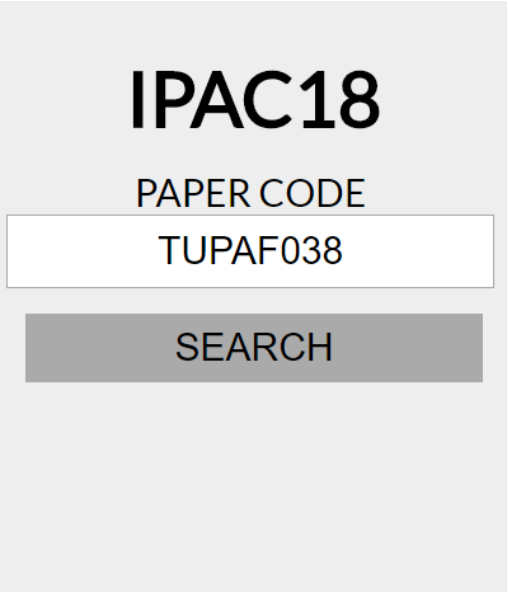
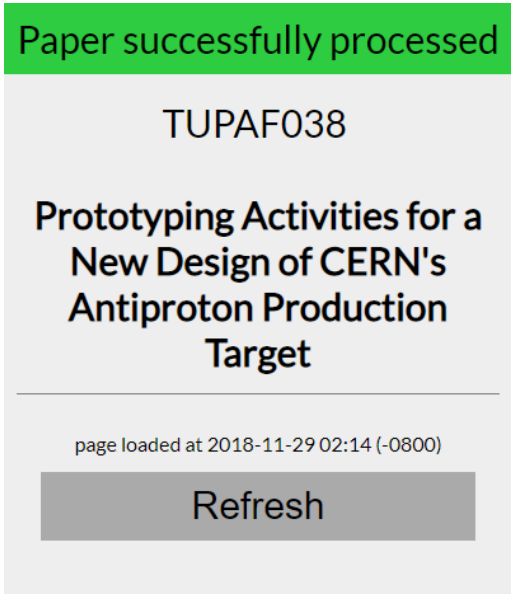
App Paper Status

- This app allows participants to quickly check the status of a paper processings
- A QRcode available on the screens of the “Dotting Boards” 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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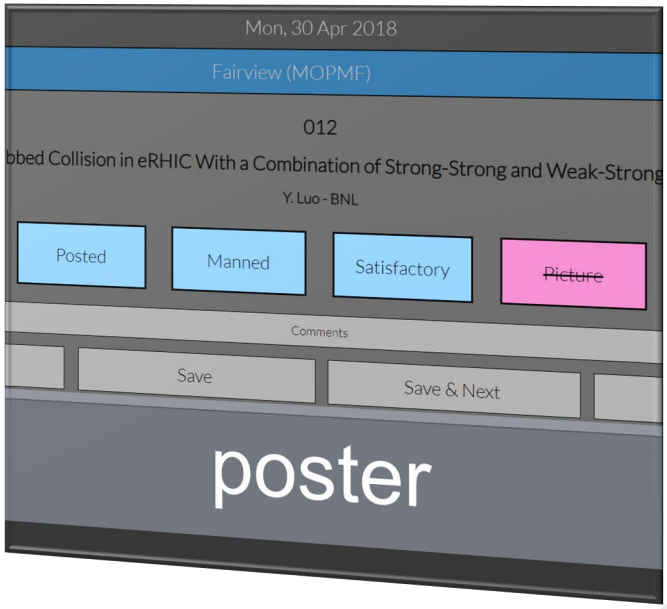
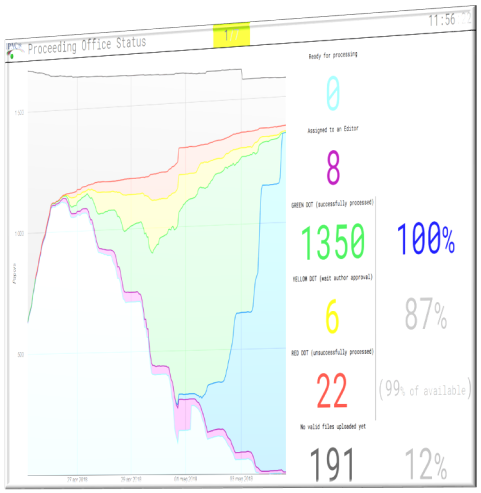
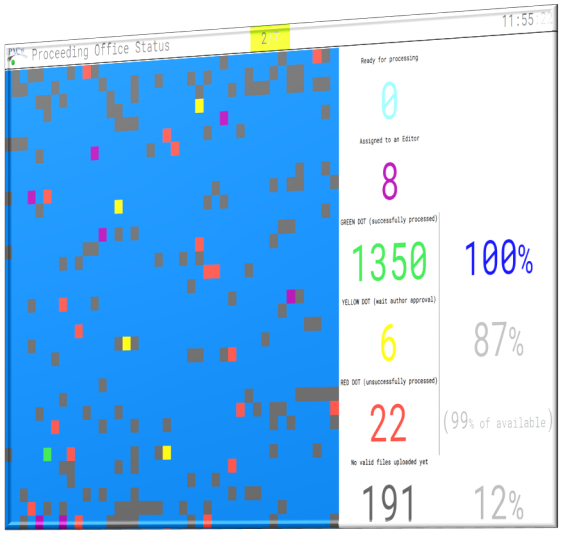
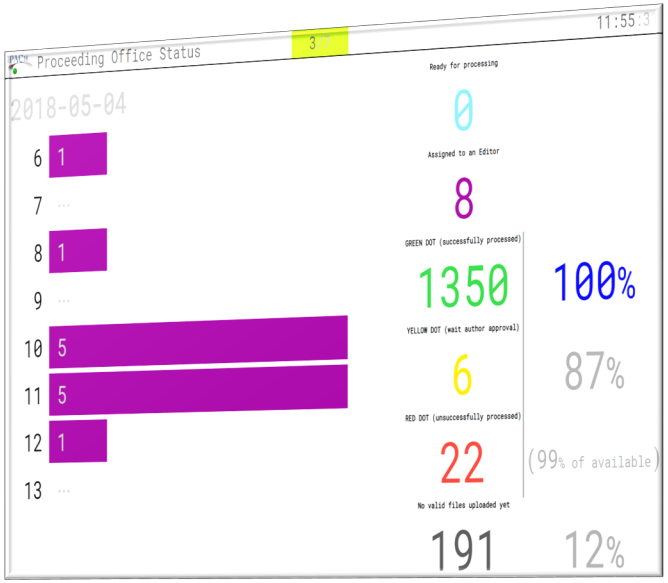
App Poster Police

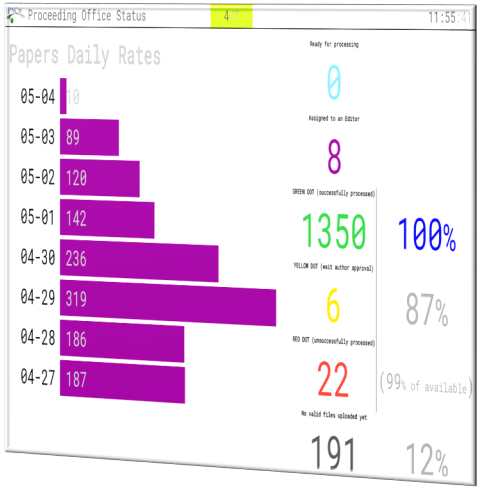


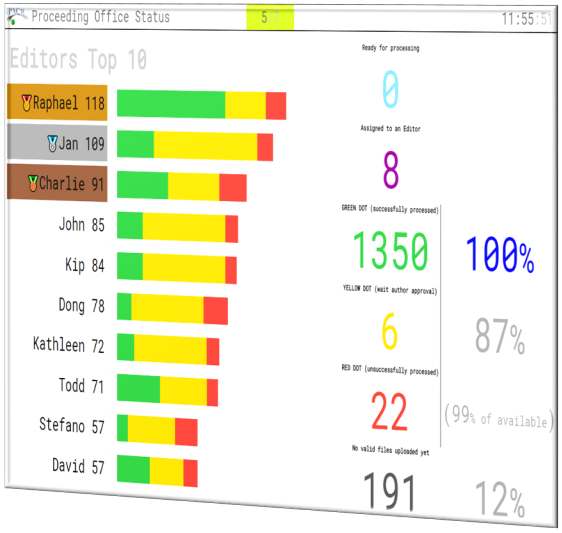
Proceedings Office Status

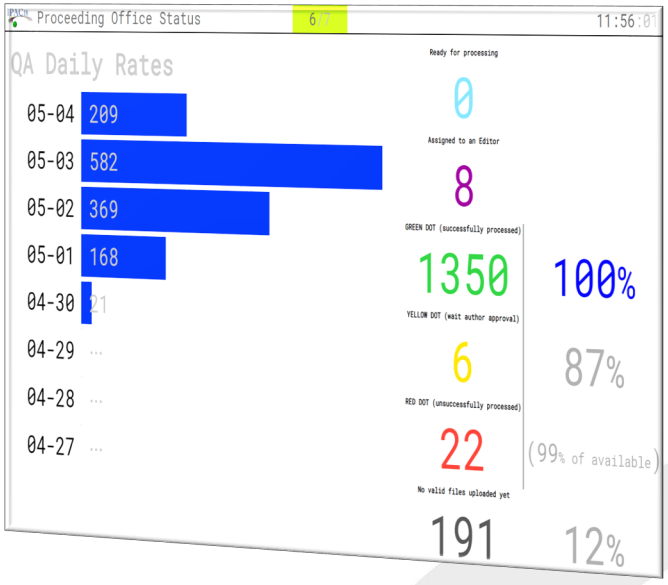












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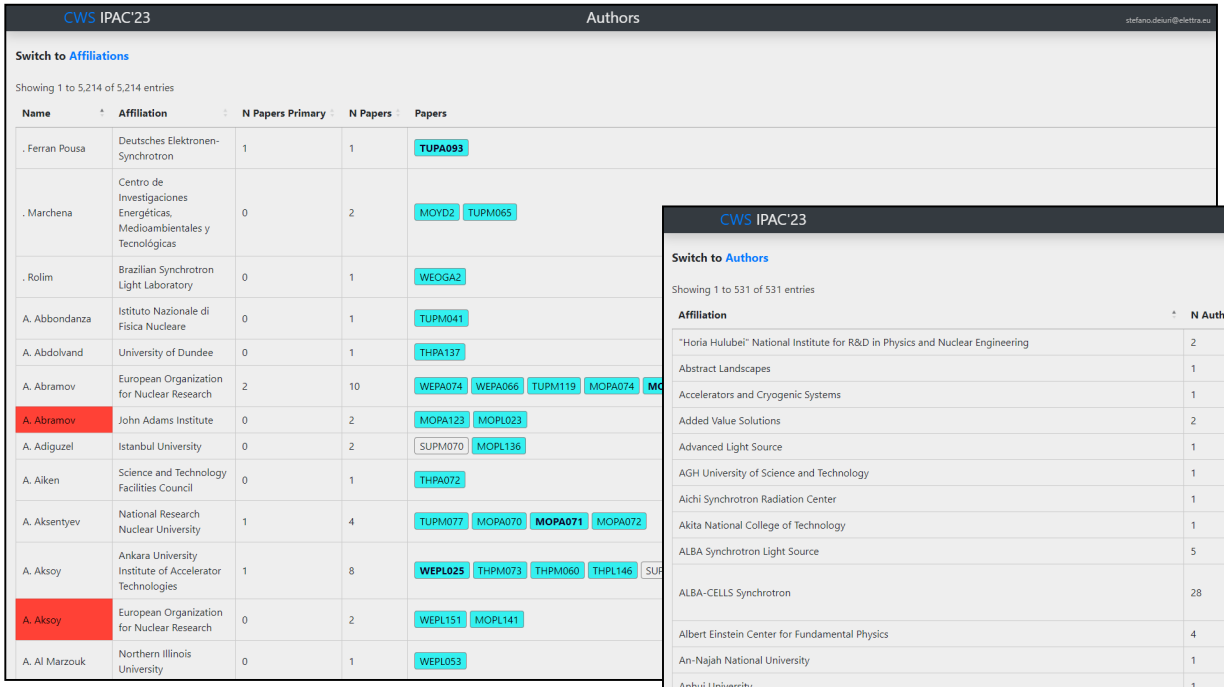
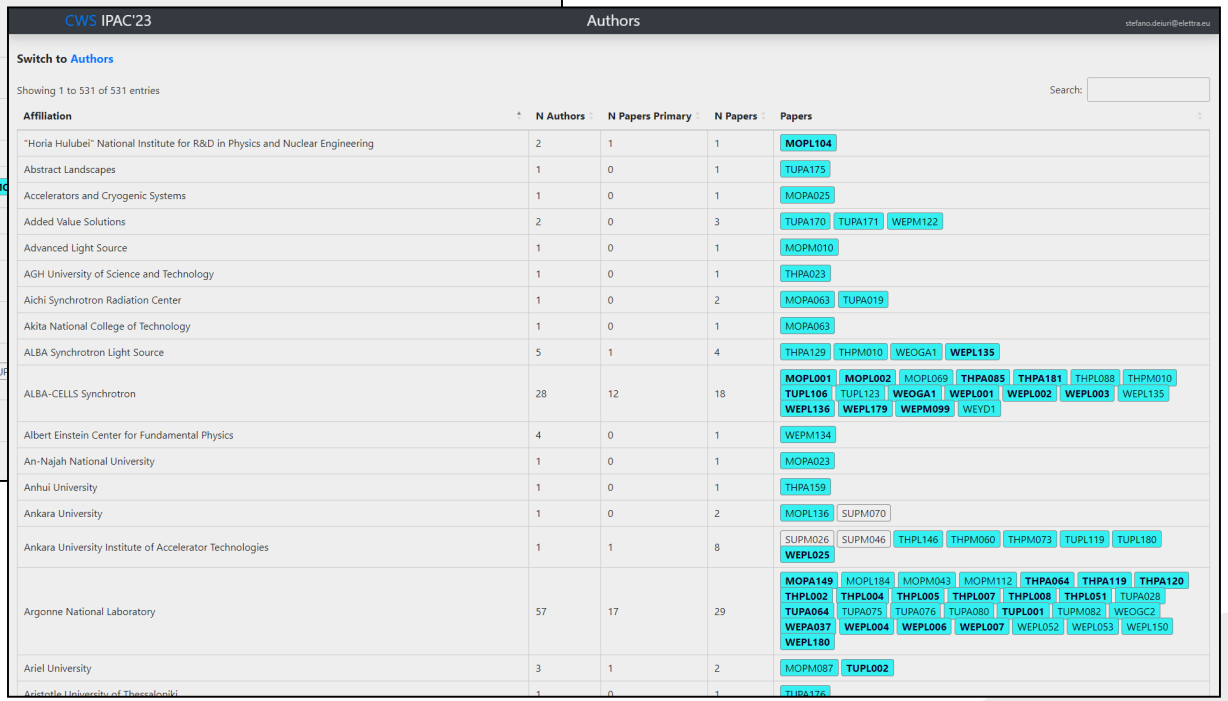
Authors

This page is used to monitor authors and affiliations





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Authors Check

- This tool is used by the author reception to be able to compare the title and authors between Indico and PDF papers
- with this page the verification can also be done on screen widthout the need of print Indico data
- It can be used on multiple computers

Authors Check

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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

Papers

- 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 and 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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Programme

The Scientific Programme

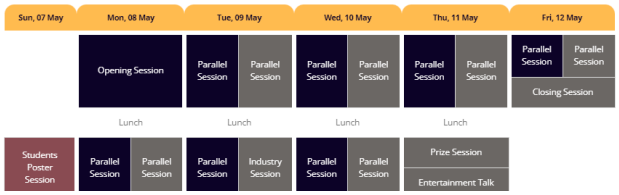
The Scientific Programme is the result of a collaboration of the Scientific Programme Committee with the Organizing Committee and the Scientific Advisory Board. The main interest is to guarantee the most selected and appropriate scientific contribution to the conference.

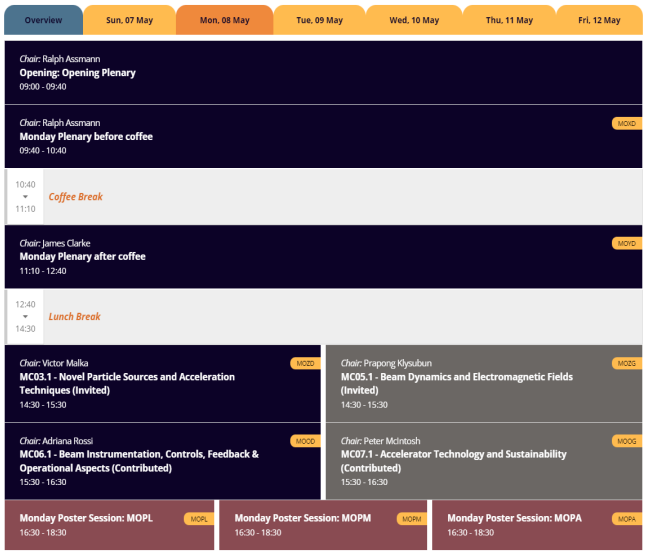
It has been ensured that the accelerator community is effectively represented in terms of its diversity and inclusion, there are contributions from 22 countries (including Ukraine), comprising 60 organisations, with 25% from female presenters.

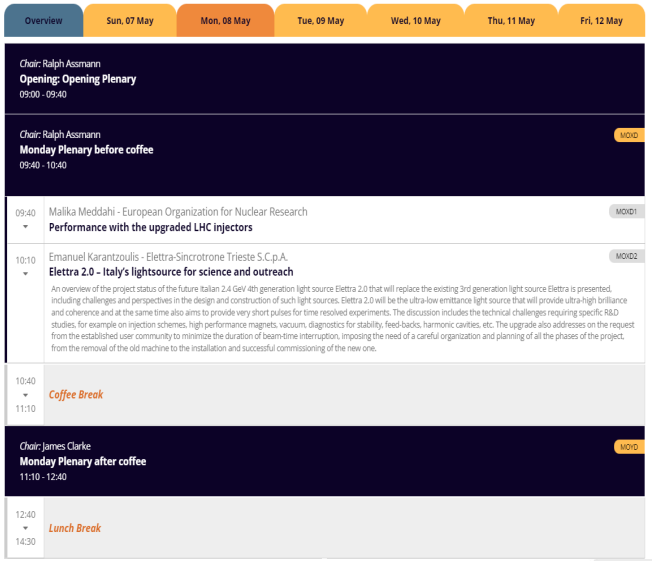
The Scientific Programme foresees Invited Oral presentations (30 minutes), Contributed Oral presentations (20 minutes) and Poster presentations (available every afternoon from Sunday to Thursday).

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.

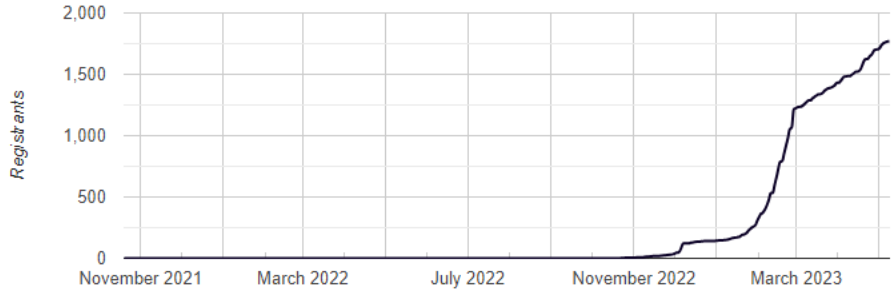






Registrants

List of Participants

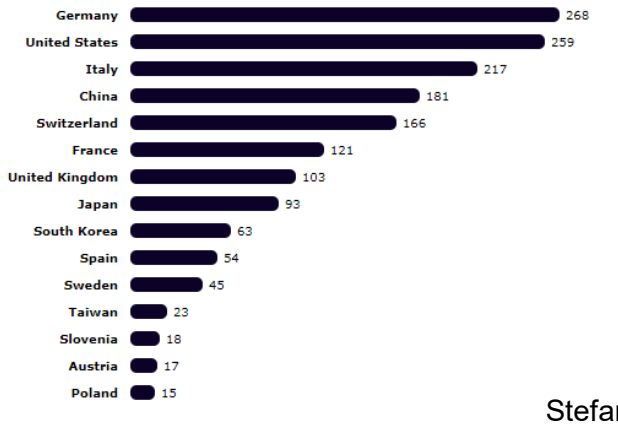


1742 delegates, from **40** countries

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)
...기 (Pohang Accelerator Laboratory, South Korea)

Countries



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Slides

- 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
- Allows to mark if the author allow to publish the presentation
- Shows the slides QA status
- It can be used on multiple computers

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JICT LINAC2024 — Slides — stefano.deiuri@elettra.eu

Showing 1 to 21 of 21 entries — Search:

Order	Time	Code	Room	Type	Title	Presenter	Publish	Status
01	09:15	MOXA001	GrandBallroom	Invited oral	Welcome	John Byrd - Argonne National Laboratory	ALLOWED	QA Approved
02	09:30	MOXA002	GrandBallroom	Invited oral	The future of the Fermilab Accelerator Complex with the new PIP-II linac	Donato Passarelli - Fermi National Accelerator Laboratory	ALLOWED	QA Approved
03	10:00	MOXA003	GrandBallroom	Invited oral	Recent advances in normal conducting radiofrequency linac structures	Xueying Lu - Northern Illinois University	ALLOWED	QA Approved
04	11:00	MOYA001	GrandBallroom	Invited oral	Breaking through 100 mA H- ion source output current at SNS	Baoxi Han - Oak Ridge National Laboratory	ALLOWED	QA Approved
05	11:30	MOYA002	GrandBallroom	Invited oral	Coherent nanophotonic electron accelerator	Julian Litzel -	ALLOWED	QA Approved
06	11:50	MOYA003	GrandBallroom	Invited oral	Operation of FLASH above 1.3 GeV and below 4 nm	Lucas Schaper - Deutsches Elektronen-Synchrotron	ALLOWED	QA Approved
07	12:10	MOYA004	GrandBallroom	Invited oral	Current status of LWFA development towards robust table-top XUV-FEL	Zhan Jin - Osaka University	NOT ALLOWED	Rejected
08	14:00	MOZA001	GrandBallroom	Invited oral	High average gradient in a laser-gated multistage plasma wakefield accelerator	Alexander Knetsch - SLAC National Accelerator Laboratory	ALLOWED	QA Approved
09	14:20	MOZA002	GrandBallroom	Invited oral	State-of-the-art photocathodes for bright-beam and spin-polarized-beam generation	Oksana Chubenko - Northern Illinois University	ALLOWED	QA Approved
10	14:40	MOZA003	GrandBallroom	Invited oral	Beam shaping using an ultra-high vacuum multileaf collimator and emittance exchange beamline	Nathan Majernik - SLAC National Accelerator Laboratory	ALLOWED	QA Approved
11	15:00	MOAA001	GrandBallroom	Oral Poster	Thin gold layers on niobium for SRF cavities	Sadie Seddon-Stettler - Cornell University (CLASSE)	ALLOWED	QA Approved
12	15:05	MOAA002	GrandBallroom	Oral Poster	Mitigation of longitudinal beam losses in the FRIB linac	Alec Gonzalez - Facility for Rare Isotope Beams, Michigan State University	ALLOWED	QA Approved
13	15:10	MOAA003	GrandBallroom	Oral Poster	High Q and high gradient performance of the first medium-temperature baking 1.3 GHz cryomodule	Jiyuan Zhai - Institute of High Energy Physics	ALLOWED	QA Approved
14	15:15	MOAA004	GrandBallroom	Oral Poster	Accelerator design choices for a compact, electron-driven, pulsed neutron source	Andrea Latina - European Organization for Nuclear Research	ALLOWED	QA Approved
15	15:20	MOAA005	GrandBallroom	Oral Poster	Performance of the Fermilab linac injector	Daniel Jones - Fermi National Accelerator Laboratory	ALLOWED	QA Approved
16	15:25	MOAA006	GrandBallroom	Oral Poster	Standing wave Dielectric Disk Accelerating structure design and fabrication	John Power - Argonne National Laboratory	ALLOWED	QA Approved
17	15:30	MOAA007	GrandBallroom	Oral Poster	Simultaneous acceleration of proton and H-minus beams in RFQ	Sergey Kurennoy - Los Alamos National Laboratory	ALLOWED	QA Approved
18	15:35	MOAA008	GrandBallroom	Oral Poster	High pulsed power measurements of superheating fields for SRF materials	Nicole Verboncoeur - Cornell University (CLASSE)	ALLOWED	QA Approved
19	15:45	MOAA010	GrandBallroom	Oral Poster	Low energy multi-beam dynamics in novel LANSCE front end	Yuri Batygin - Los Alamos National Laboratory	ALLOWED	QA Approved
20	15:50	MOAA011	GrandBallroom	Oral Poster	Beam optics design of a prototype 20 kW conduction-cooled SRF accelerator for medical sterilization	Arun Saini - Fermi National Accelerator Laboratory	ALLOWED	QA Approved
21	15:55	MOAA012	GrandBallroom	Oral Poster	Automation of RF tuning for medical accelerators	Finn O'Shea - SLAC National Accelerator Laboratory	ALLOWED	QA Approved

2024-08-26, Monday	2024-08-27, Tuesday	2024-08-28, Wednesday	2024-08-29, Thursday	2024-08-30, Friday
completed	96%	completed	completed	completed

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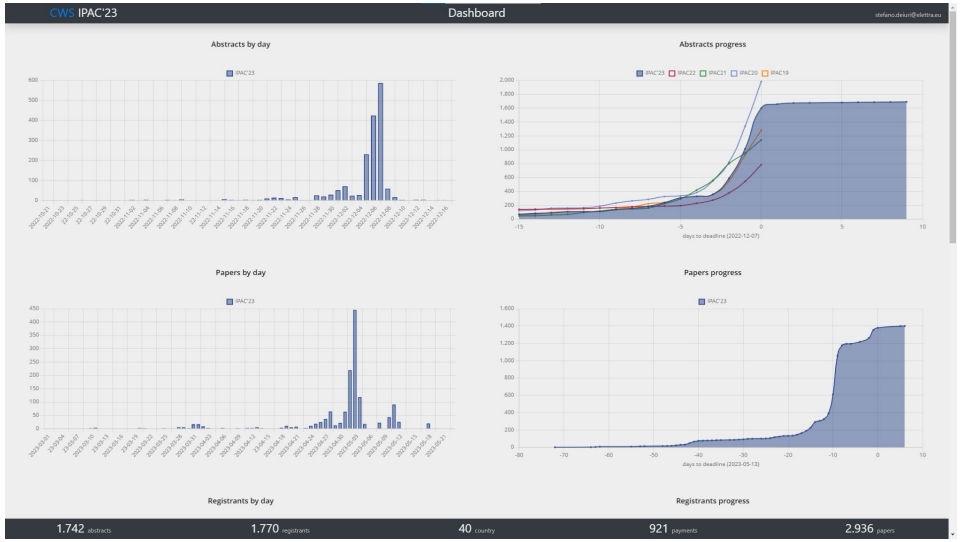
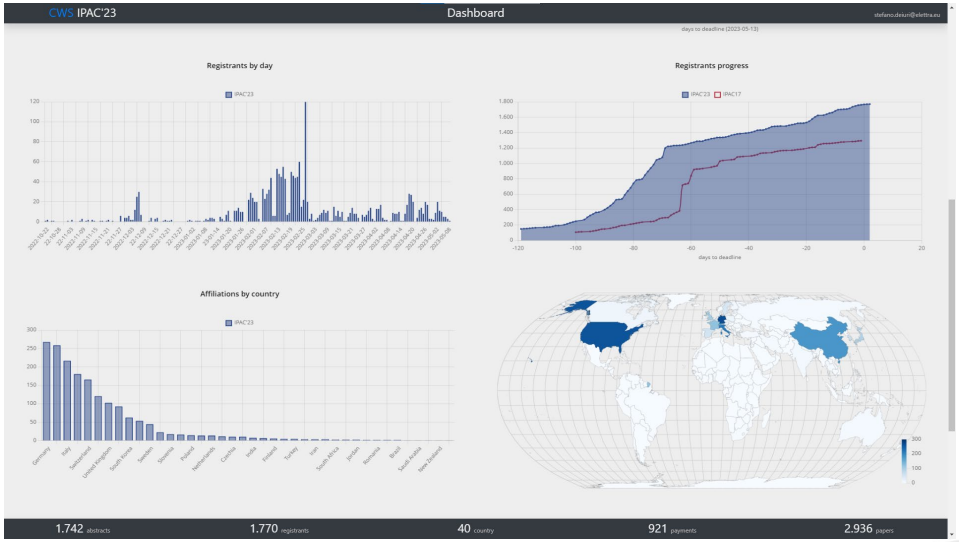
Dashboard

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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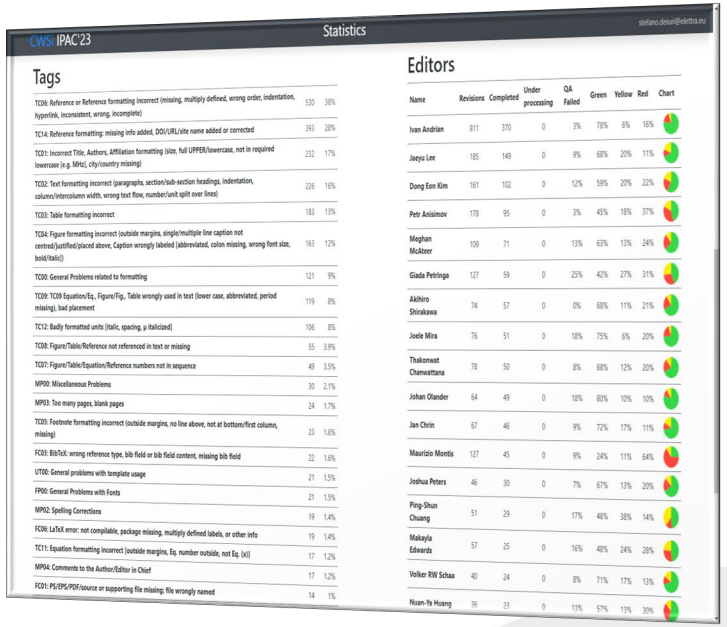
Statistics

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



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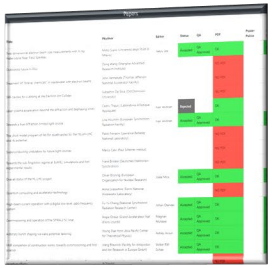
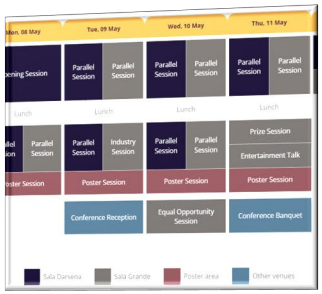
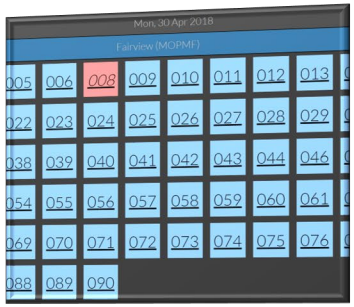
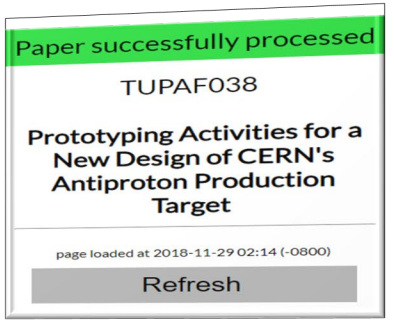
Trieste

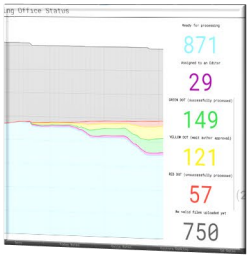
the collection

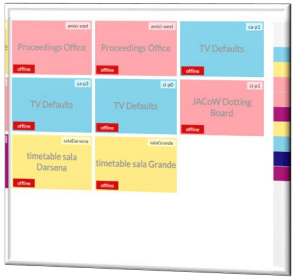


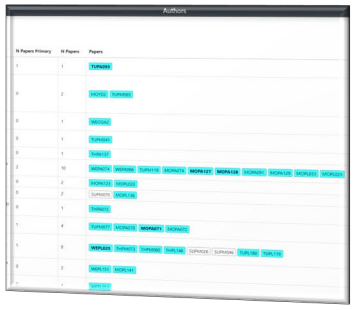












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