

UKAEA Indico Training

Introduction and Format

Adam Parker,

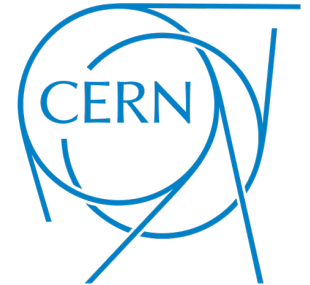
May 16th, 2024

About Me

- Physics PhD + postdoc based at CERN (where Indico was created)
- **6+ years of experience** working with Indico and organising events for physics workshops and conferences
- **ATLAS Software Tutorial Coordinator** (18 months)
- **US ATLAS Tutorial and Event Coordinator** (18 months)
All events and training sessions used Indico
Multiple multi-day conferences organised in the US
- Data manager in UKAEA Tokamak Science Department (2 years)
Currently: data manager in UKAEA Computing Division (10 months)
- Created UKAEA Indico instance and introduced it to colleagues as a tool that was missing

Now things have really snowballed...

Lancaster
University



CALIFORNIA STATE
UNIVERSITY
E A S T B A Y



What is Indico and What Can it Do?

“The effortless open-source tool for event organisation, archival and collaboration”



Event-organisation workflow that fits lectures, meetings, workshops and conferences



Multi-granular tree-based protection scheme



Easy upload and retrieval of presentations, papers and other documents



Permanent archival of all event material and metadata



Reviewing functionalities for conference papers



Full coverage of the conference lifecycle




Room booking and management



Integration with several collaborative tools

Indico History and Support

- This software project was initially funded by the European Union's FP5 programme , in what was called the Integrated Digital Conferencing Project, or just **InDiCo**.

- Indico is the result of the collective work of more than 100 different developers, translators and usability specialists of many nationalities

Open-source software under MIT license

<https://github.com/indico/indico>

- **Statistics – 100s of Indico instances in operation**

“Indico is used every day at CERN to manage more than 1 000 000 events of different complexities and 200 meeting and conference rooms.”

“Since 2016, the United Nations have been using Indico to handle more than 180.000 participants of conferences happening all around the globe, as well as thousands of visitors.”



Example Events

4th Inter-experiment Machine Learning Workshop (CERN)

<https://indico.cern.ch/event/852553/overview>

962 participants

26th International Conference on Computing in High Energy & Nuclear Physics (CHEP2023 – Norfolk, Virginia, USA)

<https://indico.jlab.org/event/459/overview>

500+ participants

This year already open **CHEP2024 – Krakow, Poland**

<https://indico.cern.ch/event/1338689/>

20th European Fusion Theory Conference – Padova, Italy

<https://indico.cern.ch/event/1239458/>

Participants not public

Other relevant Indicos

<https://indico.iter.org/>

<https://indico.euro-fusion.org/>

Accounts and Access

Can everyone access

<https://indico.ukaea.uk/> ?

You must be on the VPN for this instance
(before we get the hardware setup)

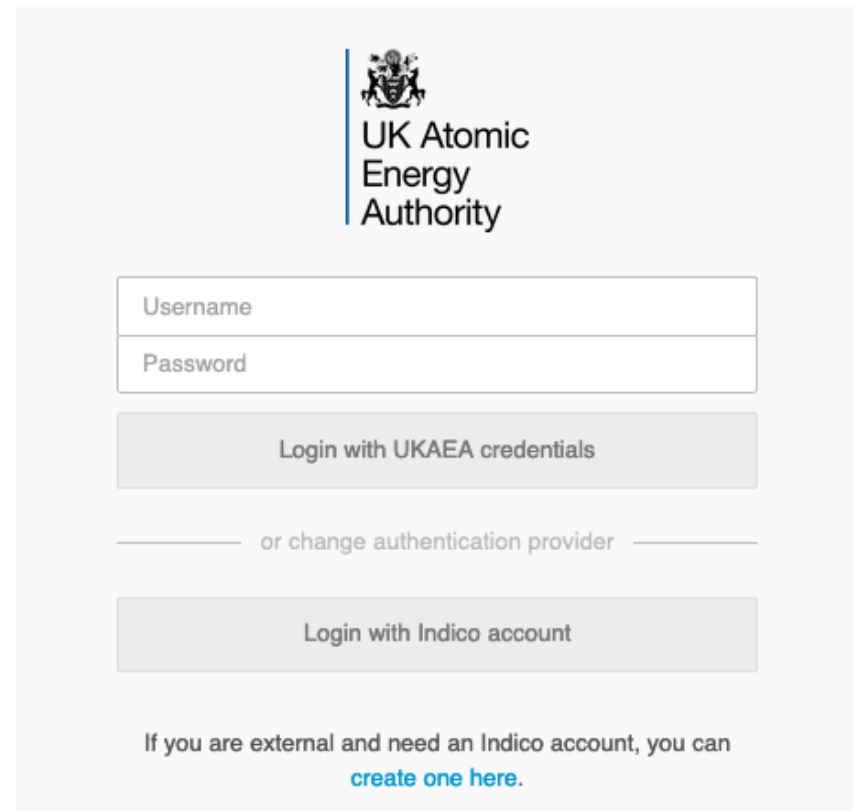
Log in with your UKAEA credentials

OR

You can make a local Indico account

OR

Connect your existing local Indico account
to your UKAEA login



The screenshot shows the login interface for the UK Atomic Energy Authority's Indico system. At the top right is the UKAEA logo. Below it are two input fields: 'Username' and 'Password'. A button labeled 'Login with UKAEA credentials' is positioned below the password field. A horizontal line with the text 'or change authentication provider' is centered below the button. Another button labeled 'Login with Indico account' is positioned below the line. At the bottom, a note states: 'If you are external and need an Indico account, you can [create one here.](#)'

Accounts and Access

Main categories

Individual rights to manage
the Events/Conference area

Welcome to Indico. The Indico tool allows you to
To start browsing, please select a category below

Divisions

Conference, Workshops, and Events

Schools, Forums, and Courses

Home » Administration » General Settings

- General Settings
- Security
 - IP Networks
 - Legal/Disclaimers
- Plugins

General Settings

💡 A new Indico version (3.3.2) is available!

System ⓘ

Events / Procurement
account for an
Administration account

eg. events@ukaea.uk

Current Status of Indico at UKAEA

- **indico.ukaea.uk** currently running on a small virtual machine
Will be used for the training -- please have some patience 😊

Dedicated Hardware



- Server has been PAT tested, moved, and is in place in the server rack
- Operating System to be installed this week (apparently)

Agenda and Plan

14:30	→ 14:40	Introduction <ul style="list-style-type: none">▪ Current status▪ Accounts and access▪ Plan for the future▪ Format and agenda <p>Speaker: Adam Parker (High Performance Data Analytics)</p>
14:40	→ 15:00	Session 1 <p>Speaker: Adam Parker (High Performance Data Analytics)</p>
15:00	→ 15:10	Hands-On 1
15:10	→ 15:30	Session 2 <p>Speaker: Adam Parker (High Performance Data Analytics)</p>
15:30	→ 15:40	Hands-On 2
15:40	→ 15:50	Coffee Break
15:50	→ 16:10	Session 3 <p>Speaker: Adam Parker (High Performance Data Analytics)</p>
16:10	→ 16:20	Hands-On 3
16:20	→ 16:30	Closing Remarks, AOB, and Q+A <p>Speaker: Adam Parker (High Performance Data Analytics)</p>

100% won't keep to time,
it will be very open

Please ask questions as
we go through, happy to discuss

Secondary training session?