

# Tango Controls Workshop

## ICALEPCS 2025

### Chicago, USA

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Tango Controls Workshop, Saturday 2025-09-20, ICALEPCS 2025, Chicago, USA



# WELCOME

Thanks for joining us today!



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## Agenda before lunch

Time	Topic
09:00 - 09:05	Welcome
09:05 - 09:45	What is Tango Controls?
09:45 - 10:30	The best of two worlds: Python + Tango = PyTango
10:30 - 11:00	Tea & Coffee Break
11:00 - 11:30	POGO: Tango Controls devices made easy
11:30 - 12:00	Tango GUIs in Python with Taurus
12:00 - 12:30	Sardana: SCADA with Tango Controls
12:30 - 14:00	Lunch Break


## Agenda after lunch

Time	Topic
14:00 - 14:45	Alarms and Alarm Handling in Tango Controls
14:45 - 15:30	HDB++: The memory of Tango Controls
15:30 - 16:00	Tea & Coffee Break
16:00 - 16:45	Testing & Debugging in Tango Controls
16:45 - 17:15	Q & A: Ask us anything!
17:15 - 17:30	Closing session

## What do we need?

- **Technical reqs** 🖱️ <https://indico.tango-controls.org/event/479/overview>
  - Native for your OS:
    - Python3
    - PyTango
    - iTango
  - OCI: PyTango OCI & other topics OCIs
    - Docker/Podman/your favorite container runtime, docker-compose
    - conda or one of its derivatives
  - VM
    - TangoBox
  - POGO & Java runtime
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## What will we do?

- **Bring Tango Controls to the EPICS heartland** 
- **Learn about available tools in the Tango universe**
- **See how Tango Controls works in real life**
- **See when Tango Controls does not work in real life and how to debug it**
- **Ask questions about Tango Controls and answer them**
- **Answer questions about Tango Controls that you didn't ask**
- **Hopefully acquire confidence that Tango Controls is a solid framework for distributed M&C systems**