# Welcome to the
# Karabo Developer Workshop

Andrea Parenti,
Gabriele Giovanetti,
Gero Flucke

Controls Group

Schenefeld, March 1$^{st}$, 2024

**Karabo Developer Workshop** ON-SITE

📅 Friday 1 Mar 2024, 09:00 → 17:00 Europe/Berlin

📍 E1.173 (European XFEL)

Description The aim of this workshop is to enable EuXFEL staff members and guests to contribute to the K
layer devices or GUI extensions.

The workshop participants are required to have already some experience with Karabo. Depend
Therefore, registration can be done for a subset of the sessions.

Participants are required to bring their laptops enabled to access the EuXFEL WLAN.

European XFEL

https://indico.desy.de/event/43185/

# Karabo Developer Workshop

- The aim of this workshop:
  - Enable EuXFEL staff members (and guests) to contribute to the Karabo control system.

- That means enabling you e.g. to contribute to automation and procedures, following best practices:
  - Less person power needed for operations ➜ more time to harvest science results

- Certainly only a first step:
  - More such workshops to follow (feedback for this one welcome, see feedback forms).
  - Help and assistance on request.

- Our schedule:
  - 9.00 h ( 90 min.): "Writing a Simple Procedure in Karabo" (i.e. macros)
    - ► 10.30 h Coffee break
  - 11.00 h (120 min.): "Writing a Middle-Layer Karabo Device"
    - ► 13.00 h Lunch break (on your own)
  - 14.00 h ( 60 min.): "Handling Fast Data through Pipelines"
    - ► 15:00 h Coffee break
  - 15.30 h ( 90 min.): "Writing Karabo GUI extensions"

## Karabo Developer Workshop: The Sessions

🟧 Short introductory presentation.

🟧 Hands-on material to go through step by step.
   🟦 Using the prepared virtual machine on https://visa.xfel.eu.
   🟦 At least five CTRL members around to assist – just raise your hand.
   🟦 Likely the hands-on material cannot be digested at same speed by everybody.
      ► From time to time we will just have to go on.
      ► You can continue to play with the material after the workshop.
         • All material linked to https://indico.desy.de/event/43185/
         • *But note*: The virtual machines are temporary only (do not rely on something saved there)

# ➔ Let's just start!

🟦🟦 🟦 🟧 **European XFEL**