10th anniversary

## Welcome to the

# Summit 2023 We will start at 11:30am.

#### Welcome to the Heart of Europe



Source: Flibbertigibbet, CC BY-SA 3.0, https://commons.wikimedia.org/w/index.php?curid=107319276

#### Schedule: Monday

09:00am - 11:30am 11:30am - 12:30pm 12:30pm - 01:45pm 01:45pm - 03:15pm 03:15pm - 03:45pm 03:45pm - 05:15pm 05:15pm - 05:45pm 06:20pm 07:00pm

Tutorial Welcome & Keynote Lunch in the Canteen Session Networking (Chair: Ben) Coffee Break Session System (Chair: José) Breakout Session Planning Departure for Social Event Social Event at **Zum Rad** 

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Tutorial Welcome & Keynote Lunch in the Canteen Session Networking (Chair: Ben) Coffee Break Session System (Chair: José) Breakout Session Planning (Your input is needed!) Departure for Social Event Social Event at **Zum Rad** 

#### Schedule: Tuesday

09:00am - 10:30am 10:30am - 12:30pm 12:30pm - 01:30pm 01:30pm - 03:00pm 03:00pm - 03:30pm 03:30pm - 05:00pm 05:00pm - 05:15pm General Assembly (Your input is needed!<sup>1</sup>) Breakout Sessions Pizza! Session Security (Chair: Emmanuel) Coffee Break Session Applications (Chair: Christian) Open Mic Wrap Up

<sup>1</sup>https://pad.riot-os.org/s/SNhel2FHb# < = > < @ > < ਵ > ਵ > ਵ ਅਪਣ 4/16

#### The Venue

#### Groundfloor 4-112 4-8 Coffee Breaks Lunch (Tuesday) Demos Sessions General Assembly 4-111 Tutorial Lunch (Tuesday) Breakout Session 4-110 Breakout Session Canteen **Registration Desk** Restrooms 4-109 Breakout Session

Restrooms

#### Additional Service

#### coap://coap.summit.riot-os.org

#### There is also a Matrix Chat Room for the Summit.

#### Social Event



- Zum Rad is one of the oldest traditional restaurants in Frankfurt
- $\circ~$  Don't miss their self-made Ebbelwoi or Süßer
  - We go there together via Bus Transfer Please be at the Departure Point on time!
- To go back take the public Bus (line M43 towards Bornheim Mitte)
  - Walking back to the University is about 4 km

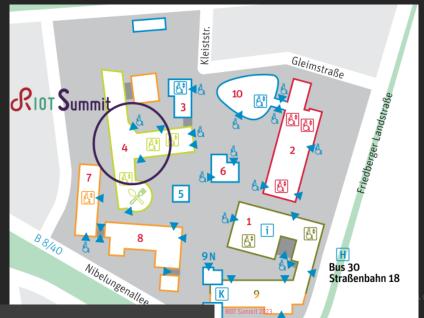
#### Location

Zum Rad Leonhardsgasse 2 Frankfurt-Seckbach





#### Departure



#### The FRIENDLY Operating System

#### We have a Code of Conduct Points of Contact:

- Martine (@miri64)
- Oleg (@OlegHahm)

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Photo by Alexander Sinn on Unsplash

Social Media

## Talk about it! #RIOTSummit2023



Thanks!

### The Community!

The Speakers!

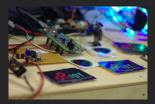
## Frankfurt University of Applied Sciences and the International Office

#### Short Recap

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#### RIOT in a Nutshell

Connecting the Things ... ...to the Internet. Free and Open Software Driven by a Grass Roots Community Well-maintained, documented, and tested Code



#### Latest Features since Summit 22

Hardware

20 new Boards supported ESP32C Kits, HiP Badge, Olimex MSP430, Sipeed Longan Nano... Added Support for the Mass Storage Class in USB Exposing a MTD as Storage Device to the Host Computer On demand ztimers

Allow for implicit power management

#### Latest Features since Summit 22

System and Infrastructure

Priority Inheritance in OS Mutexes Prevent Priority Inversion Issues Integration of FlashDB A Timeseries and Key-Value Database for Flash Memory Building in Podman Build RIOT in a Container Environment without requiring root privileges Using GitHub Security Advisories Multiple vulnerabilities in GNRC have been reported and fixed

#### Latest Features since Summit 22

Networking

#### BLE as Downlink in Border Router

Connecting BLE networks seamlessly to the Internet

Support for CongURE

The congestion control mechanism of the QUIC protocol

Integration of libSCHC

Static Context Header Compression and Fragmentation for LPWANs