

snoot

Welcome to Vienna

Welcome to the RIOT Summit 2024

Community

Shared ideas

The friendly operating system
for the Internet of Things



RIOT OS

- ▶ Small devices
- ▶ Low-power networks
- ▶ Abstraction
- ▶ Portability

Common idea

- ▶ Openness
- ▶ Collaboration
- ▶ Technical excellence

▶ RIOT is people

<https://riot-os.org>

<https://forum.riot-os.org>

RIOT-OS on GitHub

[#riot-os:matrix.org](https://matrix.org)

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Summit outcomes

Summit reviews since 2016

- ▶ Berlin 2016: RIOT OS
- ▶ Berlin 2017: socket API, power management, VFS
- ▶ Amsterdam 2018: RISC-V, *BLE*, **mcuboot**
- ▶ Helsinki 2019 : **CoAP extensions**, **Thread**, *riotboot*, *USB*
- ▶ Online 2020: *SUIT*, ZTimer
- ▶ Online 2021: **Radio abstraction**, XFA, **USB firmware updates**
- ▶ Hamburg 2022: Portable TCP, **Rust**, **CoAP proxy**, GPIO-LL
- ▶ Frankfurt 2023: **SCHC**, Priority Inheritance, **ztimer_ondemand**, **OpenDSME**
- ▶ Vienna 2024: **PSA**, native64, **CoAP enhancements**

Discussed at previous summit, *discussed at later summit*

So, this summit...

University of Vienna

Agenda today

- 09:00 Registration, Coffee
- 09:00–11:30 RIOT Tutorial
- 11:30–12:00 Break
- 12:00–12:15 Welcome & Recap
- 12:15–13:15 Keynote
- 13:15–14:00 Lunch
- 14:00–15:30 Session 1: Security
- 16:00–17:30 Session 2: Privacy and Reliability
- 17:30–18:00 Planning breakout sessions
- 19:00 Social

Agenda Friday

- 09:00–10:30 General Assembly
- 10:30–12:30 Breakout sessions
- 12:30–13:30 Lunch
- 13:30–15:00 Session 3: Applications and Programming
- 15:00–15:15 Coffee break
- 15:15–16:45 Session 4
- 16:45–17:15 Open Mic
- 17:15–17:30 Wrap-Up

Agenda Saturday

09:00–17:00 Hackathon

at Faculty of Computer Science, Währinger Straße 29

Embedded access

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coap://coap.summit.riot-os.org/now
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coap://coap.summit.riot-os.org/agenda
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Social Event

- ▶ “10er Marie”, est. 1740
- ▶ Ottakringer Str. 222–224
- ▶ Reachable by U3
- ▶ Stick with people who look like they know where to go
- ▶ Bring your badge!

#RIOTSummit

Actually being social

Code of Conduct

Contact points: Oleg, Martine, conduct@riot-os.org

Thanks to our supporters

MEETING DESTINATION VIENNA

NOW ♦ TOGETHER



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TECHNISCHE
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Hochschule für Angewandte
Wissenschaften Hamburg
Hamburg University of Applied Sciences

That's all from me.