All aboard the Rust line



Hall 5

Hall 4

Hall 4a

Hall 3a

Lynx

Exein SpA

ITK Engineering GmbH

RISC V

DDC-I, Inc.

Wind River

Embecosm

Absint

Bluewind Srl

JetBrains s.r.o.

Vector Informatik GmbH

SEGGER Microcontroller GmbH

Rust Social Wednesday
5 -6 pm
at 4-302 with KDAB, Slint and Ferrous Systems

KDAB

Lauterbach GmbH

eSOL Co., Ltd.

Green Hills Software

Exein SpA

TrustInSoft SAS

Felgo

Slint

SYSGO

Emlix

Toradex

Vector Informatik GmbH

NXP

ST Microelectronics

Ferrous Systems GmbH

TeleCANesis

Arm

QNX

Eclipse Foundation

Espressif Systems



Rust is the future of embedded systems

As software complexity grows and demands for cybersecurity, energy efficiency, and regulatory compliance rise, businesses need resilient, high-performing solutions. Rust offers a compelling alternative with its design centered on security, memory safety, and concurrency without data races, allowing teams to avoid costly recalls and scale quickly.

Rust's interoperability with C/C++, modern tooling, and support for embedded systems make it the ideal choice for rapidly developing efficient, safe, and secure systems.

Why Rust is ideal for critical systems:

- **Memory Safety without garbage collection:** Rust guarantees memory safety at compile-time, preventing common issues like null pointer dereferencing and buffer overflows, crucial for resource-constrained embedded systems.
- **Low-level control with high performance**: Rust offers the control needed for hardware interaction while maintaining high performance, making it perfect for embedded systems that require efficient resource usage.
- **Maximize developer productivity:** Google Android found that switching teams from C++ to Rust made them twice as productive. Rust helps you get software done, with much less time spent debugging weird issues.

Where to talk about Rust at #ew26:

Hall 3A

- Espressif Systems (3A-528)

Hall 4

- Wind River GmbH (4-112)
- DDC-I, Inc. (4-113)
- Embecosm (4-135)
- AbsInt GmbH (4-138)
- JetBrains s.r.o. (4-146)
- Bluewind Srl (4-142)
- Lauterbach GmbH (4-210)
- Exein SpA (4-238 / 5-253)
- Toradex AG (4-240)
- Vector Informatik GmbH (4-278/4-578)
- Slint (4-300)
- Felgo GmbH (4-301a)
- KDAB (4-302)
- Green Hills Software (4-325)
- emlix GmbH (4-336)
- TrustInSoft SAS (4-340)
- SEGGER Microcontroller GmbH (4-367)
- Ferrous Systems GmbH (4-402)
- SYSGO (4-410)
- eSOL Co., Ltd. (4-417)
- TeleCANesis (4-500a)
- Arm (4-504)
- QNX (4-544)
- Eclipse Foundation (4-554)

Hall 4 A

- ST Microelectronics (4A-148)
- NXP (4A-222)

Hall 5

- RISC-V International (5-119)
- ITK Engineering GmbH (5-187)
- Lynx (5-471)