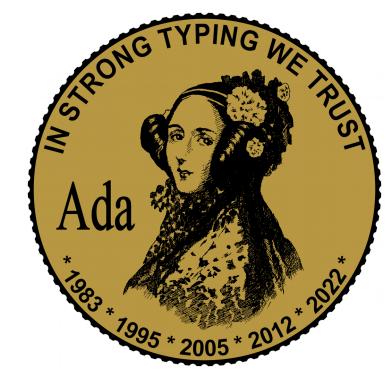
FOSDEM 2025 Ada DevRoom





Program

Introductory Talks

- Welcome to the Ada DevRoom
- •Updates on the Ada Ecosystem
- •<u>Get started with Ada in 2 minutes</u> or less!
- Technical Talks
 - Understanding liquid types, contr acts and formal verification with Ada/SPARK
 - The state of Rust trying to catch up with Ada
 - Multiword Arithmetic and Parallel Computing

•Projects Presentations

- •Advent of Compression: writing a wo rking BZip2 encoder in Ada from scr atch in a few days
- <u>atch in a few days</u>
 <u>Ada and Mini-Ada: a solution to the</u> two-language problem
- •Cryptography in SPARK: building the foundation with constant-time bigi
- nts
- <u>Developing device drivers for Ironcl</u> <u>ad using Ada</u>
- AdaBots programmable Minetest b ots

Acknowledgements







The International Language for Software Engineering





Ada-Belgium – Ada-Europe

- Non-profit organizations set up to promote use of Ada language and technology
- Ada-Belgium: similar orgs in Denmark, France, Germany, Spain, Switzerland



 Ada-Europe: historically federation of national orgs + indirect members, later
 Also direct membership in other countries



Ada-Europe main activities

- Annual conference series: Ada-Europe international Conference on Reliable Software Technologies (AEiC)
- Quarterly publication: *Ada User Journal* (*AUJ*), paper and online
- Support of Ada language evolution and standardization process: *ISO/IEC JTC1 SC22 WG9*













Ada-Europe International Conference on Reliable Software Technologies

https://www.ada-europe.org/conference2025

June 10-13 2025, Paris, France at École des Mines de Paris

More info & pointers

- See 2-page flyer on this talk's web-page Welcome to Ada Developer Room at FOSDEM for more on activities and membership
- Enjoy this 12th Ada Developer Room!
- Get your "Ada coin" sticker! (offered by Ada-Belgium)

