FOSDEM 2025

Ada DevRoom

IN STRONG TYPING WE TRUST

Ada

* 1983 * 1995 * 2005 * 2012 * 2022 *

Ada

Time-tested, safe and secure

Program

- Introductory Talks
  - [Welcome to the Ada DevRoom](#)
  - [Updates on the Ada Ecosystem](#)
  - [Get started with Ada in 2 minutes or less!](#)
- Technical Talks
  - [Understanding liquid types, contracts 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 working BZip2 encoder in Ada from scratch in a few days](#)
  - [Ada and Mini-Ada: a solution to the two-language problem](#)
  - [Cryptography in SPARK: building the foundation with constant-time bigints](#)
  - [Developing device drivers for Ironclad using Ada](#)
  - [AdaBots - programmable Minetest bots](#)

Acknowledgements

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*

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)