



Welcome to the FOSDEM 2022 Ada DevRoom

In cooperation with Ada-Europe and Ada-Belgium

# Thank you

To all the collaborators

- Dirk Craeynest
- Jeffrey R. Carter
- Ludovic Brenta
- Tama McGlinn

And the speakers!

- 12 Authors
- 8 countries!

And the FOSDEM Team!

# In cooperation

Ada-Europe



Ada-Belgium



For more information, visit  
[this event entry @ FOSDEM!](#)

# Short personal introduction

Major contributions to Ada

- [Ada-Scheme interop](#)
- Updated GCC-Ada in NetBSD (running on powerpc too!)
- [Ada on RISC-V on an FPGA](#)
- Trying to grow the community :)

Master student

- Mechanical Engineering (TUM)
- Industrial Engineering (ICAI)

Currently finishing the Thesis at the Max-Planck IPP

Mostly thermo-hydro-mechanics and Fortran!

Fernando Oleo Blanco



<https://irvise.xyz>  
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# FOSDEM online!

- How does it work?
- How do I ask questions?
- How do I talk to the speakers?
- Are beers included?

# The Webpage

**FOSDEM'22**

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## Ada devroom

Room: D.ada

Calendar: iCal, xCal

Video with Q&A: D.ada

Video only: D.ada

Chat: join the conversation!

	09	10	11	12	13	14	15	16	17						
Sunday		Int	Introducti...	A...	The ...	20...	S... A I...	Us...	G... Ov...	SPARKNa ...	Th... Les...	Provi...	Im...	Ex... A...	

Read the Call for Papers at <https://lists.fosdem.org/pipermail/fosdem/2021q4/003331.html>.

Ada is a general-purpose programming language originally designed for safety- and mission-critical software engineering. It is used extensively in air traffic control, rail transportation, aerospace, nuclear, financial services, medical devices, etc. It is also perfectly suited for open source development.

Awareness of safety and security issues in software systems is ever increasing. Multi-core platforms are now abundant. These are some of the reasons that the Ada programming language and technology attracts more and more attention, among others due to

# The interface

The screenshot displays the FOSDEM 2021 chat interface, specifically the room `#cloud-devroom_testing5:fosdem.org`. The interface is divided into several sections:

- Left Sidebar:** Contains a search bar, a list of people (including `freenode-connect` and `Shin.Ice @ FOSDEM`), and a list of rooms. The selected room is `A fifth test talk in a devroom`.
- Top Bar:** Shows the room name `A fifth test talk in a devroom` and a `LIVE` indicator.
- Main Content Area:** Features a large circular video feed of the speaker, `Matthew (me)`, with `LIVE` and `AUD` buttons. Below the video, a message from `Matrix Traveler (bot)` states: "Your talk starts in about 5 minutes".
- Right Panel:** Includes a `Scoreboard for #cloud:fosdem.org` showing the most upvoted messages (e.g., `TravisR` with 1 correct message) and a list of room members (e.g., `FOSDEM`, `moderator`, `agk`, `bittin`, `Brendan Abolivier`, `Dave`, `Gh0sty`, `Matrix Traveler (bot)`, `Matthew`, `TravisR`, `valere`, `neggwada`).

# The interface

this is honestly the first time i have seen any bit of big buck bunny with audio  
and i have seen it \_alot\_

**bittin**  
t-shirt ordered :)  
👍 1

**Gh0sty** @Gh0sty:libera.chat  
**mmu\_man** : reset done

**mmu\_man** @mmu\_man:fosdem.org  
**Gh0sty** @Gh0sty:libera.chat  
**mmu\_man** : reset done  
noted, thanks!

**Gh0sty** @Gh0sty:libera.chat  
lol libv  
libv: you use thay as a test too? :)

**libv**  
21:59 Gh0sty: yeah, many high and low emotions are tied to that

Nachricht senden...

Suchen

Oft verwendet

Smileys und Leute

Schnelle Reaktionen



# The Bot/Manager



FOSDEM 

## **Up next: A third test talk in a devroom**

Ask your questions here for the Q&A at the end of the talk.



FOSDEM 

## **Q&A is starting shortly**

Feel free to continue asking questions for the speakers - the conversation will continue in the hallway after the Q&A.

# Schedule

## Program overview:

- *Introduction to the Ada DevRoom*, by Fernando Oleo Blanco, Germany
- *Introduction to Ada for Beginning and Experienced Programmers*, by Jean-Pierre Rosen, France
- *Ada Looks Good, Now Program a Game Without Knowing Anything*, by Stefan Hild, Germany
- *The Ada Numerics Model*, by Jean-Pierre Rosen, France
- *2022 Alire Update*, by Fabien Chouteau, France, Alejandro Mosteo, Spain
- *SweetAda: Lightweight Development Framework for Ada-based Software Systems*, by Gabriele Galeotti, Italy
- *Use (and Abuse?) of Ada 2022 Features to Design a JSON-like Data Structure*, by Alejandro Mosteo, Spain
- *Getting Started with AdaWebpack*, by Max Reznik, Ukraine
- *Overview of Ada GUI*, by Jeffrey Carter, Belgium
- *SPARKNaCl: a Verified, Fast Re-implementation of TweetNaCl*, by Roderick Chapman, UK
- *The Outsider's Guide to Ada: Lessons from Learning Ada in 2021*, by Paul Jarrett, USA
- *Proving the Correctness of the GNAT Light Runtime Library*, by Yannick Moy, France
- *Implementing a Build Manager in Ada*, by Stephane Carrez, France
- *Exporting Ada Software to Python and Julia*, by Jan Verschelde, USA
- *Closing of the Ada DevRoom*, by Dirk Craeynest, Belgium, Fernando Oleo Blanco, Germany

# Have fun!

- Make some questions so that I can see if the system is working!
- Beer is not included :(
  - You have to bring your own
  - There is at least a beer emoji