

# Keynote

No dramas will stop us



# Covid19

## Damn, I missed the flight to Barcelona!

- Don't worry, this time, we won't put you at risk

## The conference organization started in February

- Almost at the same time as the SARS-CoV-2 party
- Designed to be online since then
- Few expectations to become physical
- Keeping the r2con flame alive even from home

# \$ radiff2 -u r2con\*

Virtual events don't have the hassle of real life issues, which may sound great at first, but..

- Where is the **beer**?

Use the **attendees channel** to post your **food / drinks / hardware / screenshots** so we can feel a bit of the **community warm** in **r2land**.

- Use **#r2con2020** on Twitter



# Costs

Virtual events don't have any of the costs of traveling, renting a place, recording material, food, drinks and the immense hours of work moving boxes up and down.

- We really miss that

As long as r2con is a **non-profit conference**, we reduced the ticket cost to:

0€

# Merchandising

We sent the **merchandising pack** to all the **speakers**!

- CTF, R2Wars and GSoC winners are also included

You can **buy it** by **filling** the **form** in the **conference website**

- <https://rada.re/con/2020/#Merch>



R2CON 2-0-2-0

# Recordings

**Everything** gets recorded and **will be published** later after **approval from the speakers** as well as the materials.

- You won't miss any talk
- **YouTube's chat** is **synchronized with the video**, and it's the right place to **comment the talk**.
- Use the **Q&A time** at the end of each presentation **for questions**.
- **Speakers** and **other attendees** can be reached in **Telegram**

# Presentations

19 talks covering several features and topics related to radare2

- Symbolic Execution
- Hardware Reversing
- SLEIGH and GHIDRA integration
- Signature Matching
- Deobfuscation
- iOS/Android reversing
- Malware hunting
- ...

# GSoC

This summer we managed to mentor **4 students** for **Google Summer Of Code**:

- Debugger Improvements - **Tan Zi Fan**
- SLEIGH analysis/disassembler - **Jiaxiang Zhou**
- Type Analysis Improvements - **Karel Hájek**
- Decompiler Widget and r2ghidra-dec - **Nirmal Manoj**



# Workshops



It's hard to follow a **training** without being physically in a place.

**Workshops** are **more dynamic**, short and **easy to follow online**.

**Mentors** will be **available** for you to solve your **questions** during the conference.

\*\*\* All talks and workshops will be recorded and later published \*\*\*

- R2Frida (Edu Novella, Murphy, Hexplotable)
- SMT (Tim Blazytko)

# Capture The Flag

<https://ctf.radare.org>

```
R2PM -CI R2DEC
-- REMEMBER! ONLY RADARE2 CAN SAVE US!
[0x100001060]> O+ COVID-19.BIN
[0x100001060]> AA
[X] ANALYZE ALL VACCINES STARTING WITH SYM. AND ENTRY0 (AA)
[X] ANALYZE INFECTED CALLS (AIC)
[X] ANALYZE COVID-19 REFERENCES (ACR)
[X] USE -AA TO SAVE THE WORLD.
[0x100001060]> /W R2FLAG
DO YOU WANNA SAVE THE WORLD USING RADARE2? YES NO
```

- **Register** will **open** today at **19:00 UTC (21:00 CEST)**.
- **Starts on Thursday 3th 20:00 UTC (22:00 CEST)**
- It will **finish Saturday 5th at 18:00 UTC (20:00 CEST)**

**Easy / Medium / Hard Challenges** using **different architectures** and **formats**. All **challenges** should be **solved using Radare2** (**write-ups** will be **requested** to the **winners** via email).

# Capture The Flag

**Thanks** to all of you to make the **CTF** possible!

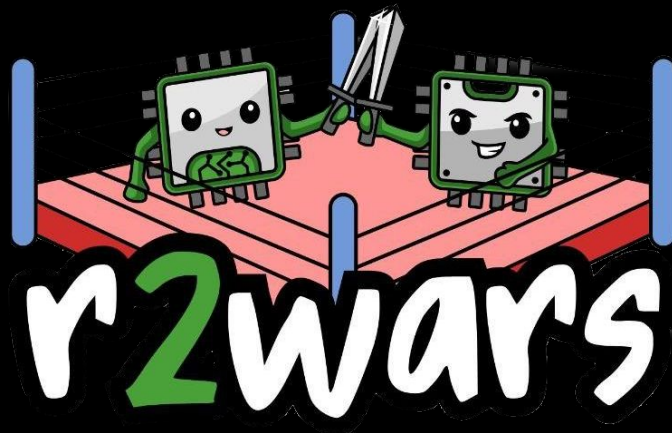
- **Mario Vilas** @Mario\_Vilas
- **Tony Torralba** @\_atorralba
- **Eloi Sanfelix** @esanfelix
- **Gautam** @Darvincisec
- **Grant Douglas** @hexploitable
- **Roberto Gutiérrez** @robguti
- **Eduardo Novella** @enovella\_
- **Alex Soler** @as0ler



We hope you enjoy it a lot!

# r2wars

Our traditional **competitions of assembly bots** that **fight** using **radare's ESIL**.  
... brought to you by **SkUaTeR** and **pancake**.  
Join the Telegram channel to submit your bots.



R2CON ◦ ~ 2 ~ 0 ~ 2 ~ ◀ 0

# Chiptune!

[0x00000000]> pqz



4Dboy



3d63

RZCON  
~2~0~2~0

CHIPTUNE PARTY  
SATURDAY 5TH SEPT  
22GMT+2



neuroflip



Alex  
Wiklund



klirre

RZCON ~2~0~2~0

**Thanks and remember..**

# Security Measures Against The Virus



**Wash** your **hands**, so your **keyboard** doesn't get dirty



**Use mask** to **protect yourself** against **face recognition**



**Keep** your **social distance**, so you can **focus**



**Cough** in your **inner elbow**, achieve **new skills**



**Use radare2 & have fun!**

# Let's begin!