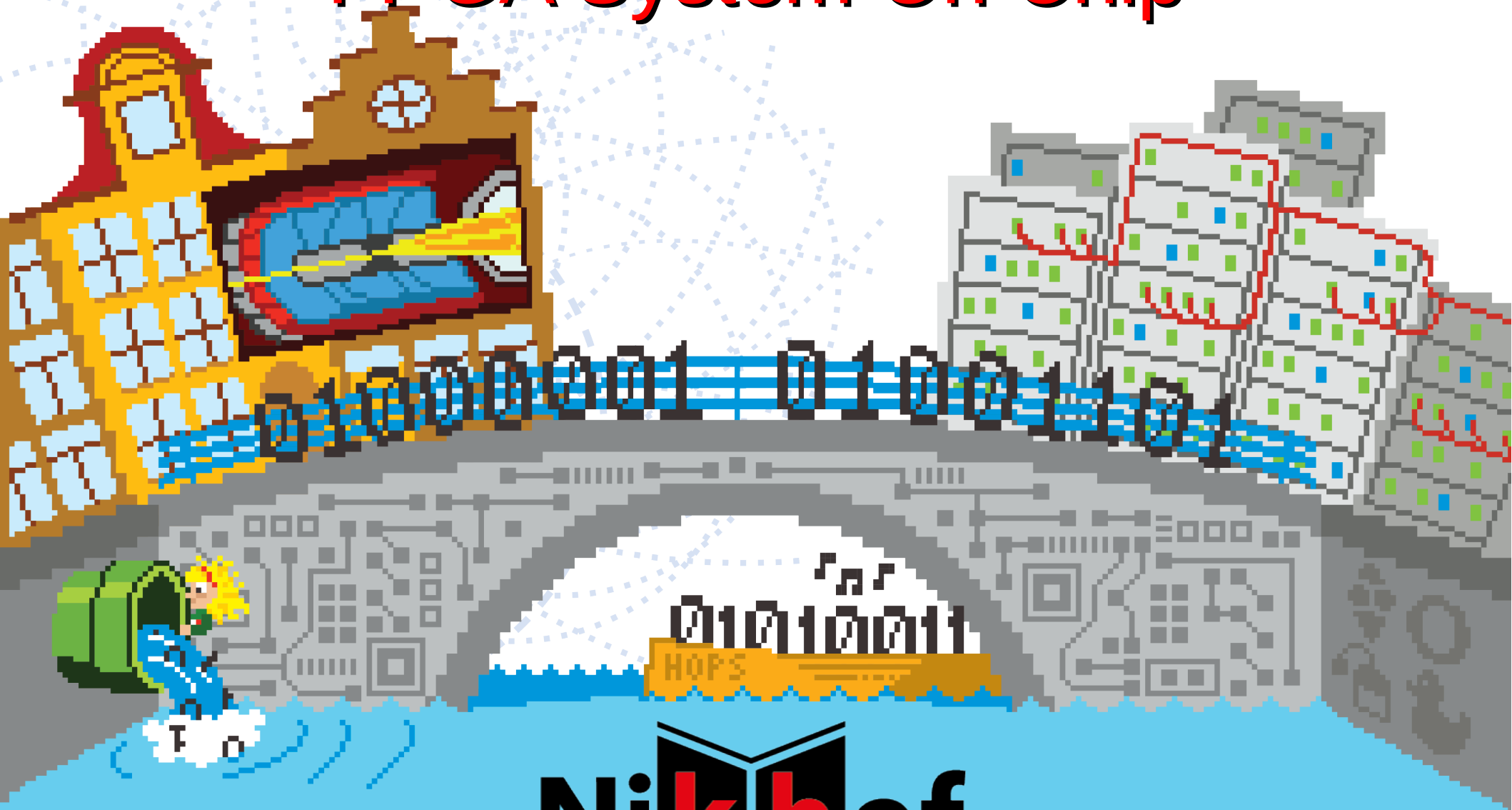


# Secret Lab14

## FPGA System On Chip

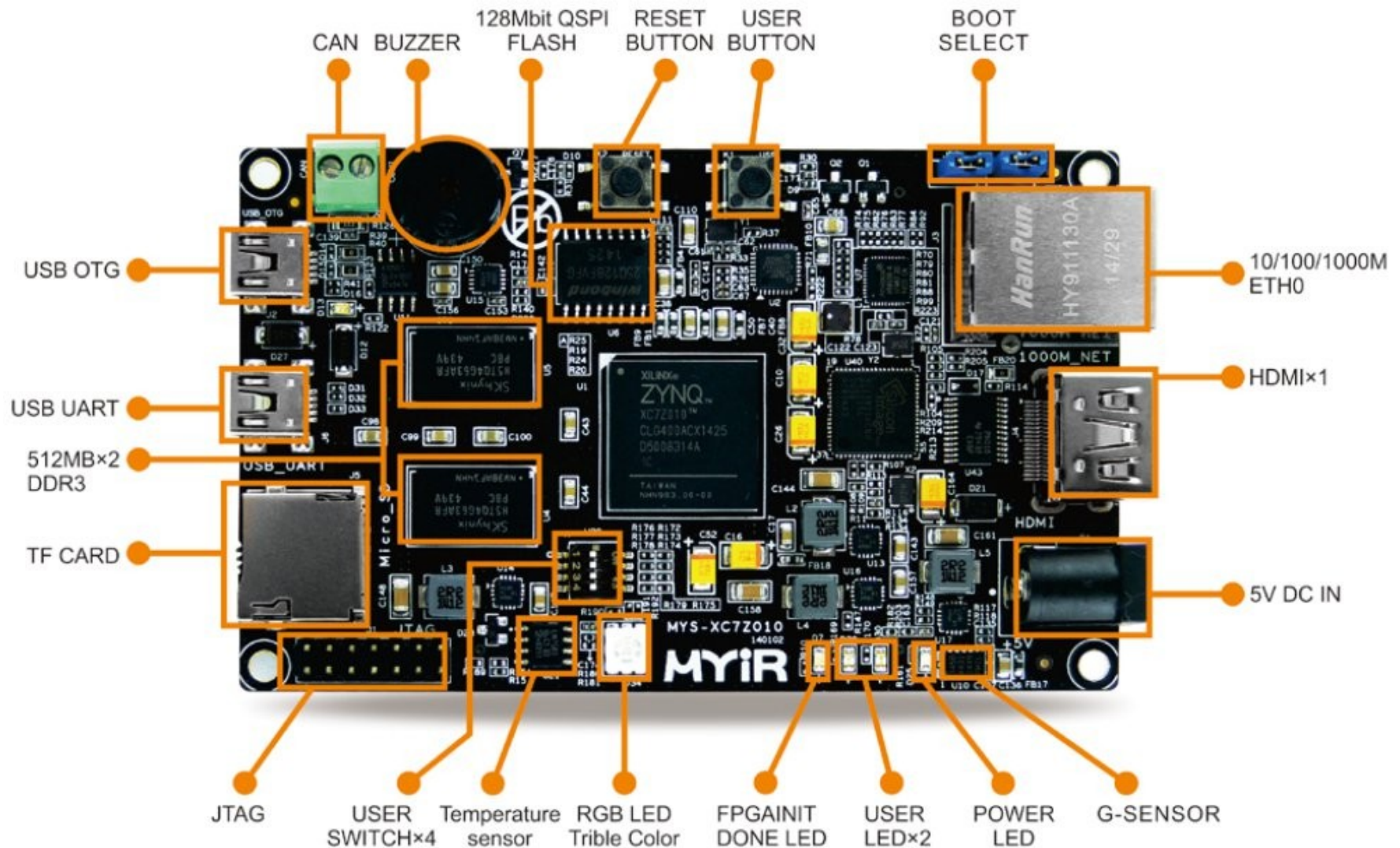


ISOTDAQ 2017

**Nikh**ef

Andrea Borga  
On behalf of the **Secret Team...**

# MYIR Z-turn Xilinx Zynq kit



# What is this thing all about?

- Experiment (a tiny bit) with a SoC FPGA
- **Intro** on the topic [~20 mins]
- **Demo** [~40 mins]
  - Part I: configure and instantiate a uC in the Zynq architecture and talk to FPGA logic
    - Xilinx Vivado and the SDK
  - Part II: exploit the power of the ARM processor and run a full Linux stack
    - Ubuntu + python
- **Hack** a bit with Part I and/or Part II + the experts guidance [~ last man standing...8) ]
- You don't get to keep the kit if you “win”...:P

# Please think about it...

- Monday evening ~20:00
- It's a pilot lab...
- Places are kind of “**limited**”
- **Join only if you are really really sure** you “need” or “can't do without” this information
- Marco Boretto has the subscription list  
→ go to him!
- Let Marco know if you want veggie or non-veggie food
- I'll collect the list from him after lunch