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**Presenter(s):**Talk ID:  
14798  
0**Talk Title:** Welcome**5 min pre:** 8:55 am **Talk Start:** 9:00 am **Length:** 0:10:0 **End -5m:** 9:05 am **End:** 9:10 am

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
- [ ] Check that HDMI is plugged into the presenter's laptop
- [ ] Ensure presenter's display appears on the projector and confidence monitors
- [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
- [ ] Ask the presenter how they would like to be introduced and how to pronounce their name
- [ ] Ask the presenter if they would like time warnings, and if so, when they would like them
  
- [ ] When the presenter is ready, un-mute the microphone
- [ ] Make any special announcements (eg. Audience defrag, events later in the day)
- [ ] Hit the Big Red Button. (On = recording starts)
- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):**Talk ID:  
14799  
1**Talk Title:** FOSSi Foundation Update**5 min pre:** 9:05 am **Talk Start:** 9:10 am **Length:** 0:20:0 **End -5m:** 9:25 am **End:** 9:30 am

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [ ] Hit the Big Red Button. (On = recording starts)
- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Aliaksei ChapyzhenkaTalk ID:  
14800

2

**Talk Title:** Diagrams and system visualisation in chip design**5 min pre:** 9:25 am **Talk Start:** 9:30 am **Length:** 0:30:0 **End -5m:** 9:55 am **End:** 10:00 am

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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  - [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Neil TurleyTalk ID:  
14801

3

**Talk Title:** Netlistsvg: How to Draw a Better Schematic than Graphviz**5 min pre:** 9:55 am **Talk Start:** 10:00 am **Length:** 0:30:0 **End -5m:** 10:25 am **End:** 10:30 am

- [ ] Have a water bottle for ready for the presenter
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**Presenter(s):** Julius BaxterTalk ID:  
14802  
4**Talk Title:** Lessons learned customising the Rocket RISC-V core**5 min pre:** 10:45 am **Talk Start:** 10:50 am **Length:** 0:20:0 **End -5m:** 11:05 am **End:** 11:10 am

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Jack KoenigTalk ID:  
14803  
5**Talk Title:** Higher-Order Hardware Design with Chisel 3**5 min pre:** 11:05 am **Talk Start:** 11:10 am **Length:** 0:30:0 **End -5m:** 11:35 am **End:** 11:40 am

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
- [ ] Check that HDMI is plugged into the presenter's laptop
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**Presenter(s):** Christopher Felton

Talk ID:  
14804

**Talk Title:** The fusion of high-level synthesis with event-oriented hardware description (myhdl)

6

**5 min pre:** 11:35 am **Talk Start:** 11:40 am **Length:** 0:30:0 **End -5m:** 12:05 pm **End:** 12:10 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
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**Presenter(s):** Katie Lim

Talk ID:  
14805

**Talk Title:** JuxtaPiton: The First Open-Source, Heterogeneous-ISA Processor

7

**5 min pre:** 1:25 pm **Talk Start:** 1:30 pm **Length:** 0:20:0 **End -5m:** 1:45 pm **End:** 1:50 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Jonathan Balkind

Talk ID:  
14806  
8

**Talk Title:** OpenPiton+Ariane: Making Ariane Multicore with OpenPiton's P-Mesh

**5 min pre:** 1:45 pm    **Talk Start:** 1:50 pm    **Length:** 0:20:0    **End -5m:** 2:05 pm    **End:** 2:10 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Joshua Wise

Talk ID:  
14807  
9

**Talk Title:** Lessons Learned from Open-Sourcing NVDLA

**5 min pre:** 2:05 pm    **Talk Start:** 2:10 pm    **Length:** 0:20:0    **End -5m:** 2:25 pm    **End:** 2:30 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Matthew BallanceTalk ID:  
14808  
10**Talk Title:** DVKit: An Integrated Development Environment for Design and Verification Engineers**5 min pre:** 2:25 pm    **Talk Start:** 2:30 pm    **Length:** 0:20:0    **End -5m:** 2:45 pm    **End:** 2:50 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
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  - [ ] Hit the Big Red Button. (On = recording starts)
  - [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Jose RenauTalk ID:  
14809  
11**Talk Title:** Live Graph infrastructure for Synthesis and Simulation**5 min pre:** 3:25 pm    **Talk Start:** 3:30 pm    **Length:** 0:30:0    **End -5m:** 3:55 pm    **End:** 4:00 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
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**Presenter(s):** Jerry Zhao, Abe Gonzalez, Ben Korpan

Talk ID:  
14810

**Talk Title:** The Berkeley-Out-of-Order-Machine: An Open Source Synthesizable High-Performance RISC-V Processor

**5 min pre:** 3:55 pm    **Talk Start:** 4:00 pm    **Length:** 0:30:0    **End -5m:** 4:25 pm    **End:** 4:30 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
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**Presenter(s):** David Biancolin, Alon Amid

Talk ID:  
14811

**Talk Title:** FireSim: Open-Source Easy-to-use FPGA-Accelerated Cycle-Exact Hardware Simulation in the Cloud

**5 min pre:** 4:25 pm    **Talk Start:** 4:30 pm    **Length:** 0:30:0    **End -5m:** 4:55 pm    **End:** 5:00 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Wenting Zhang

Talk ID:  
14812  
14

**Talk Title:** How I started learning FPGA: My journey writing a GameBoy in Verilog

**5 min pre:** 5:25 pm    **Talk Start:** 5:30 pm    **Length:** 0:30:0    **End -5m:** 5:55 pm    **End:** 6:00 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Cole Johnson

Talk ID:  
14813  
15

**Talk Title:** Emulation of vintage integrated circuits through die analysis and reverse-EDA

**5 min pre:** 5:55 pm    **Talk Start:** 6:00 pm    **Length:** 0:30:0    **End -5m:** 6:25 pm    **End:** 6:30 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [ ] Introduce the presenter(s) and the talk



**Presenter(s):**Talk ID:  
14814**Talk Title:** Mingle, drinks

16

**5 min pre:** 6:15 pm    **Talk Start:** 6:20 pm    **Length:** 0:30:0    **End -5m:** 6:45 pm    **End:** 6:50 pm

- [ ] Have a water bottle for ready for the presenter
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**Presenter(s):** Daniel PetriskoTalk ID:  
14815**Talk Title:** BaseJump STL: a Standard Template Library for Hardware Design

17

**5 min pre:** 9:25 am **Talk Start:** 9:30 am **Length:** 0:30:0 **End -5m:** 9:55 am **End:** 10:00 am

- [ ] Have a water bottle for ready for the presenter
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- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Jim LewisTalk ID:  
14816**Talk Title:** OSVVM, VHDL's #1 FPGA Verification Library

18

**5 min pre:** 9:55 am **Talk Start:** 10:00 am **Length:** 0:30:0 **End -5m:** 10:25 am **End:** 10:30 am

- [ ] Have a water bottle for ready for the presenter
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**Presenter(s):** Matthew Ballance

Talk ID:  
14817

**Talk Title:** Verifying Open-Source Silicon with SystemVerilog: Getting in on the Ground Floor

19

**5 min pre:** 10:25 am **Talk Start:** 10:30 am **Length:** 0:30:0 **End -5m:** 10:55 am **End:** 11:00 am

- [ ] Have a water bottle for ready for the presenter
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**Presenter(s):** Vagrant Cascadian

Talk ID:  
14818

**Talk Title:** RISC-V in Debian

20

**5 min pre:** 11:15 am **Talk Start:** 11:20 am **Length:** 0:20:0 **End -5m:** 11:35 am **End:** 11:40 am

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):**Talk ID:  
14819  
21**Talk Title:** Lightning Talks**5 min pre:** 11:35 am **Talk Start:** 11:40 am **Length:** 0:30:0 **End -5m:** 12:05 pm **End:** 12:10 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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  - [ ] Introduce the presenter(s) and the talk

**Presenter(s):** Steve HaynalTalk ID:  
14826**Talk Title:** Hermes-Lite: Amateur Radio SDR**5 min pre:** 11:44 am **Talk Start:** 11:49 am **Length:** 00:12:00 **End -5m:** 11:56 am **End:** 12:01 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Tim 'mithro' Ansell

Talk ID:  
14827

**Talk Title:** Tim has too many projects - LatchUp Edition

**5 min pre:** 11:56 am **Talk Start:** 12:01 pm **Length:** 00:28:00 **End -5m:** 12:24 pm **End:** 12:29 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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**Presenter(s):** Olof Kindgren

Talk ID:  
14820

**Talk Title:** FuseSoC - Cores have never been so much fun

22

**5 min pre:** 1:15 pm **Talk Start:** 1:20 pm **Length:** 0:30:0 **End -5m:** 1:45 pm **End:** 1:50 pm

- [ ] Have a water bottle for ready for the presenter
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**Presenter(s):** Aliaksei ChapyzhenkaTalk ID:  
14821  
23**Talk Title:** DUH: document and tools for HW design reuse**5 min pre:** 1:45 pm    **Talk Start:** 1:50 pm    **Length:** 0:30:0    **End -5m:** 2:15 pm    **End:** 2:20 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
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- [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
- [ ] Ask the presenter how they would like to be introduced and how to pronounce their name
- [ ] Ask the presenter if they would like time warnings, and if so, when they would like them
  
- [ ] When the presenter is ready, un-mute the microphone
- [ ] Make any special announcements (eg. Audience defrag, events later in the day)
- [ ] Hit the Big Red Button. (On = recording starts)
- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Jeff BushTalk ID:  
14822  
24**Talk Title:** Nyuzi: An Open Source GPGPU Processor**5 min pre:** 2:15 pm    **Talk Start:** 2:20 pm    **Length:** 0:30:0    **End -5m:** 2:45 pm    **End:** 2:50 pm

- [ ] Have a water bottle for ready for the presenter
- [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
- [ ] Check that HDMI is plugged into the presenter's laptop
- [ ] Ensure presenter's display appears on the projector and confidence monitors
- [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
- [ ] Ask the presenter how they would like to be introduced and how to pronounce their name
- [ ] Ask the presenter if they would like time warnings, and if so, when they would like them
  
- [ ] When the presenter is ready, un-mute the microphone
- [ ] Make any special announcements (eg. Audience defrag, events later in the day)
- [ ] Hit the Big Red Button. (On = recording starts)
- [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Matthew GuthausTalk ID:  
14823  
25**Talk Title:** OpenRAM: An Open Source Memory Compiler**5 min pre:** 3:05 pm    **Talk Start:** 3:10 pm    **Length:** 0:30:0    **End -5m:** 3:35 pm    **End:** 3:40 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
  - [ ] Ensure presenter's display appears on the projector and confidence monitors
  - [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
  - [ ] Ask the presenter how they would like to be introduced and how to pronounce their name
  - [ ] Ask the presenter if they would like time warnings, and if so, when they would like them
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- [ ] When the presenter is ready, un-mute the microphone
  - [ ] Make any special announcements (eg. Audience defrag, events later in the day)
  - [ ] Hit the Big Red Button. (On = recording starts)
  - [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Tom McLeodTalk ID:  
14824  
26**Talk Title:** SYZGY: An Open Standard For Semiconductor Evaluation**5 min pre:** 3:35 pm    **Talk Start:** 3:40 pm    **Length:** 0:30:0    **End -5m:** 4:05 pm    **End:** 4:10 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
  - [ ] Ensure presenter's display appears on the projector and confidence monitors
  - [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
  - [ ] Ask the presenter how they would like to be introduced and how to pronounce their name
  - [ ] Ask the presenter if they would like time warnings, and if so, when they would like them
- 
- [ ] When the presenter is ready, un-mute the microphone
  - [ ] Make any special announcements (eg. Audience defrag, events later in the day)
  - [ ] Hit the Big Red Button. (On = recording starts)
  - [ ] Introduce the presenter(s) and the talk

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**Presenter(s):** Piotr Esden-Tempski

Talk ID:  
14825

**Talk Title:** Open-Source FPGA tools, how and why?

27

**5 min pre:** 3:55 pm    **Talk Start:** 4:00 pm    **Length:** 0:20:0    **End -5m:** 4:15 pm    **End:** 4:20 pm

- [ ] Have a water bottle for ready for the presenter
  - [ ] Ensure presenter has microphone and completed sound check (if not, poke AV team)
  - [ ] Check that HDMI is plugged into the presenter's laptop
  - [ ] Ensure presenter's display appears on the projector and confidence monitors
  - [ ] Ask the presenter "Will there be laptop sound?" If so, ask AV to plug in and test sound
  - [ ] Ask the presenter how they would like to be introduced and how to pronounce their name
  - [ ] Ask the presenter if they would like time warnings, and if so, when they would like them
- 
- [ ] When the presenter is ready, un-mute the microphone
  - [ ] Make any special announcements (eg. Audience defrag, events later in the day)
  - [ ] Hit the Big Red Button. (On = recording starts)
  - [ ] Introduce the presenter(s) and the talk