Presenter(s): Sagar Karandikar

Talk ID:
15222

    Talk Title: FireSim: A Scalable Platform for FPGA-Accelerated Simulation, Debugging, Profiling of RTL Designs1

5 min pre: 1:25 pm   **Talk Start:** 1:30 pm   **Length:** 00:20:00   **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)
[ ] Check that HDMI is plugged into the presenter's laptop
[ ] Ensure presenter's display appears on the projector and confidence monitors
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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

Presenter(s): Dan Petrisko

Talk ID:
15223

2

    Talk Title: bsg_tag: A minimal open-source ASIC configuration bus

5 min pre: 1:55 pm   **Talk Start:** 2:00 pm   **Length:** 00:20:00   **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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Dejan Vucinic

    Talk Title: OmniXtend: coherent scaleout over commodity fabrics

5 min pre: 2:55 pm   **Talk Start:** 3:00 pm   **Length:** 00:20:00   **End -5m:** 3:15 pm   **End:** 3:20 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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Nayiri Krzysztofowicz

    Talk Title: Hammer: A Modular and Reusable Physical Design Flow Tool

5 min pre: 3:25 pm   **Talk Start:** 3:30 pm   **Length:** 00:20:00   **End -5m:** 3:45 pm   **End:** 3:50 pm

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

Presenter(s): Mike Urbach

Talk ID:
15226

5

    Talk Title: CIRCT: Open Source Circuit IR Compilers and Tools

5 min pre: 3:55 pm   **Talk Start:** 4:00 pm   **Length:** 00:20:00   **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)
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[ ] 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

Presenter(s): Jack Koenig

Talk ID:
15227

6

    Talk Title: Accelerating Chisel Development

5 min pre: 4:55 pm   **Talk Start:** 5:00 pm   **Length:** 00:20:00   **End -5m:** 5:15 pm   **End:** 5:20 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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Rick O'Connor

   Talk Title: Open-Source HW Commercial Adoption

5 min pre: 5:25 pm   **Talk Start:** 5:30 pm   **Length:** 00:20:00   **End -5m:** 5:45 pm   **End:** 5:50 pm

[ ] Have a water bottle for ready for the presenter
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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Jose Renau

Talk ID:
15229

8

    Talk Title: A UCSC Professor's path through Open-Source Hardware

5 min pre: 8:25 am   **Talk Start:** 8:30 am   **Length:** 00:20:00   **End -5m:** 8:45 am   **End:** 8:50 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

Presenter(s): Dustin Richmond

Talk ID:
15230

9

    Talk Title: So You Want to be an Open Sourcerer?

5 min pre: 8:50 am   **Talk Start:** 8:55 am   **Length:** 00:20:00   **End -5m:** 9:10 am   **End:** 9:15 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

Presenter(s): Scott Beamer

Talk ID:
15232
40

    Talk Title: If You Build It, Who Will Come?

5 min pre: 8:50 am   **Talk Start:** 8:55 am   **Length:** 00:20:00   **End -5m:** 9:10 am   **End:** 9:15 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

Presenter(s): Matt Guthaus

Talk ID:
15233
41

    Talk Title: Yet Another UCSC Professor's path through Open-Source Hardware

5 min pre: 9:15 am   **Talk Start:** 9:20 am   **Length:** 00:20:00   **End -5m:** 9:35 am   **End:** 9:40 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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Jerry Zhao

Talk ID:
15234

42

    Talk Title: Tapeout-in-a-Semester: The Organization of Berkeley's Tapeout Course

5 min pre: 9:40 am   **Talk Start:** 9:45 am   **Length:** 00:20:00   **End -5m:** 10:00 am **End:** 10:05 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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[ ] 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

Presenter(s): Rachit Nigam

Talk ID:
15254

29

    Talk Title: Fearless Hardware Design

5 min pre: 10:05 am   **Talk Start:** 10:10 am   **Length:** 00:20:00   **End -5m:** 10:25 am **End:** 10:30 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

Presenter(s): Graeme Smecher

Talk ID:
15235

    Talk Title: Minimax - a Compressed-First, Microcoded RISC-V CPU

10

5 min pre: 10:55 am   **Talk Start:** 11:00 am   **Length:** 00:20:00   **End -5m:** 11:15 am   **End:** 11:20 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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[ ] 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

Presenter(s): Jason Eshraghian

Talk ID:
15236

    Talk Title: Open Source Brain-Inspired Neuromorphic Software and Hardware

11

5 min pre: 11:25 am   **Talk Start:** 11:30 am   **Length:** 00:20:00   **End -5m:** 11:45 am   **End:** 11:50 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

Presenter(s): Joaquin Matres

  Talk Title: Gdsfactory, an Open Source python flow for circuit design, verification and validation

5 min pre: 12:52 pm   **Talk Start:** 12:57 pm   **Length:** 00:3:00   **End -5m:** 12:55 pm **End:** 1:00 pm

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

Presenter(s): Wenting Zhang

  Talk Title: RISu064 - An in-order non-blocking dual-issue RISC-V 64 processor

5 min pre: 12:55 pm   **Talk Start:** 1:00 pm   **Length:** 00:3:00   **End -5m:** 12:58 pm **End:** 1:03 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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Vighnesh Iyer

   Talk Title: SimCommand: A High-Performance RTL Testbench API with Fork/Join Support

5 min pre: 12:58 pm   **Talk Start:** 1:03 pm   **Length:** 00:3:00   **End -5m:** 1:01 pm   **End:** 1:06 pm

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

Presenter(s): James Bowman

   Talk Title: A radically simple 1-bit single-die "supercomputer"

5 min pre: 1:01 pm   **Talk Start:** 1:06 pm   **Length:** 00:3:00   **End -5m:** 1:04 pm   **End:** 1:09 pm

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

Presenter(s): Oron Port

Talk ID:
15240

15

    Talk Title: All Your OSS Codebase Are Belong To Us

5 min pre: 1:04 pm   **Talk Start:** 1:09 pm   **Length:** 00:3:00   **End -5m:** 1:07 pm   **End:** 1:12 pm

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

Presenter(s): Peter Herrmann

Talk ID:
15241

16

    Talk Title: A Modular Approach to Variable Pipeline Depth Designs

5 min pre: 1:07 pm   **Talk Start:** 1:12 pm   **Length:** 00:3:00   **End -5m:** 1:10 pm   **End:** 1:15 pm

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

Presenter(s): Francisco Wilken

Talk ID:
15242

17

   Talk Title: Open-source Hardware for Real-Time Applications

5 min pre: 1:10 pm   **Talk Start:** 1:15 pm   **Length:** 00:3:00   **End -5m:** 1:13 pm   **End:** 1:18 pm

[ ] Have a water bottle for ready for the presenter
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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Nikita Klimov

Talk ID:
15243

18

   Talk Title: An open-source robotics applications interface

5 min pre: 1:13 pm   **Talk Start:** 1:18 pm   **Length:** 00:3:00   **End -5m:** 1:16 pm   **End:** 1:21 pm

[ ] Have a water bottle for ready for the presenter
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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Dylan Kupsh

Talk ID:
15256
50

    Talk Title: DSAGEN: Democratizing Domain-Specific Accelerator Generation for FPGA Overlays

5 min pre: 1:16 pm   **Talk Start:** 1:21 pm   **Length:** 00:3:00   **End -5m:** 1:19 pm   **End:** 1:24 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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Matthew Michilot

Talk ID:
15257
51

    Talk Title: Educational Framework for Functional Verification

5 min pre: 1:19 pm   **Talk Start:** 1:24 pm   **Length:** 00:3:00   **End -5m:** 1:22 pm   **End:** 1:27 pm

[ ] Have a water bottle for ready for the presenter
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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Ethan Sifferman

Talk ID:
15258

    Talk Title: Using CVA6 in Architecture Education

52

5 min pre: 1:22 pm   **Talk Start:** 1:27 pm   **Length:** 00:3:00   **End -5m:** 1:25 pm   **End:** 1:30 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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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Alex Mykyta

Talk ID:
15244

    Talk Title: Open tools for an open standard: Control/status register automation using SystemRDL

19

5 min pre: 1:25 pm   **Talk Start:** 1:30 pm   **Length:** 00:20:00   **End -5m:** 1:45 pm   **End:** 1:50 pm

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

Presenter(s): Andreas Olofsson

Talk ID:
15245

20

Talk Title: Goodbye Make, Hello SiliconCompiler!

5 min pre: 1:55 pm   **Talk Start:** 2:00 pm   **Length:** 00:20:00   **End -5m:** 2:15 pm   **End:** 2:20 pm

[ ] Have a water bottle for ready for the presenter
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[ ] 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

Presenter(s): Abraham Gonzalez

Talk ID:
15246

21

Talk Title: Chipyard: An Open-Source RISC-V SoC Design Framework

5 min pre: 2:55 pm   **Talk Start:** 3:00 pm   **Length:** 00:20:00   **End -5m:** 3:15 pm   **End:** 3:20 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
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[ ] Introduce the presenter(s) and the talk

Presenter(s): Balram, Srinivasan Venkataramanan

Talk Title: SVA based Checker IP in Verilator

5 min pre: 3:25 pm   **Talk Start:** 3:30 pm   **Length:** 00:20:00   **End -5m:** 3:45 pm   **End:** 3:50 pm

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

Presenter(s): Pascal Pieper

Talk Title: Quality of Life with Virtual Prototypes - Open Source Tools in the Ecosystem of the RISC-V VP

5 min pre: 3:55 pm   **Talk Start:** 4:00 pm   **Length:** 00:20:00   **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)
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[ ] Hit the Big Red Button. (On = recording starts)
[ ] Introduce the presenter(s) and the talk

Presenter(s): Jerry Zhao

Talk ID:
15249

   Talk Title: Constellation: A Open-Source Chisel Generator for Network-on-Chip Interconnects

24

5 min pre: 8:55 am   **Talk Start:** 9:00 am   **Length:** 00:20:00   **End -5m:** 9:15 am   **End:** 9:20 am

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

Presenter(s): Matthew Ballance

Talk ID:
15250

   Talk Title: SystemVerilog-Style Constraints and Functional Coverage in Python

25

5 min pre: 9:25 am   **Talk Start:** 9:30 am   **Length:** 00:20:00   **End -5m:** 9:45 am   **End:** 9:50 am

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[ ] Introduce the presenter(s) and the talk

Presenter(s): Matt Liberty

Talk ID:
15251
26

    Talk Title: OpenROAD - Turning Designs into Optimized Silicon

5 min pre: 9:55 am   **Talk Start:** 10:00 am   **Length:** 00:20:00   **End -5m:** 10:15 am   **End:** 10:20 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

Presenter(s): Aliaksei Chapyzhenka

Talk ID:
15252
27

    Talk Title: Online Waveform viewer. Why do we need one?

5 min pre: 10:55 am   **Talk Start:** 11:00 am   **Length:** 00:20:00   **End -5m:** 11:15 am   **End:** 11:20 am

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

Presenter(s): CHINH LE

Talk Title: Space - Opportunities, Challenges for Open Source Community

5 min pre: 10:55 am   **Talk Start:** 11:00 am   **Length:** 00:20:00   **End -5m:** 11:15 am   **End:** 11:20 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

Presenter(s):   Talk ID:
                                                                                                 15514
   Talk Title: https://meza.wiki/mwplus/MediaWiki_Users_and_Developers_Workshop_Spring_2025/From_Hooks_t

5 min pre: 8:55 am   **Talk Start:** 9:00 am   **Length:** 10:00   **End -5m:** 9:05 am   **End:** 9:10 am

[ ] Have a water bottle for ready for the presenter
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