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**Presenter(s):** Adam McCombs

Talk ID:  
13839  
td-am-1

**Talk Title:** Santa Cruz to Seattle With 2 1/2 Tons of Electron Microscope: A How To

**5 min pre:** 3:55 pm    **Talk Start:** 4:00 pm    **Length:** 0:30:00    **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
  - [ ] 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):** Jake Janovetz

Talk ID:  
13840  
td-jj-1

**Talk Title:** PLM: Hardware's Source Control Management

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

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**Presenter(s):** Ken Olsen

Talk ID:  
13841  
td-ko-1

**Talk Title:** Beginner Circuit Board Design with KiCad

**5 min pre:** 4:55 pm    **Talk Start:** 5:00 pm    **Length:** 1:00:00    **End -5m:** 5:55 pm    **End:** 6:00 pm

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**Presenter(s):** Andrew Greenberg

Talk ID:  
13835  
td-m-ag

**Talk Title:** Open Source Space: What's happening, including OreSat, Oregon's first CubeSat

**5 min pre:** 8:55 am **Talk Start:** 9:00 am **Length:** 1:00:00 **End -5m:** 9:55 am **End:** 10:00 am

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**Presenter(s):** Andrew "Bunnie" Huang

Talk ID:  
13834  
td-m-ah

**Talk Title:** Bunnie's Keynote

**5 min pre:** 12:55 pm **Talk Start:** 1:00 pm **Length:** 1:00:00 **End -5m:** 1:55 pm **End:** 2:00 pm

- Have a water bottle for ready for the presenter
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**Presenter(s):** Danny Webster

Talk ID:  
13815  
td-dw-1

**Talk Title:** Applications of the Software Defined Radio

**5 min pre:** 9:55 am **Talk Start:** 10:00 am **Length:** 1:00:00 **End -5m:** 10:55 am **End:** 11:00 am

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**Presenter(s):** Jacob Creedon

Talk ID:  
13817  
td-jc-1

**Talk Title:** Embedded Hardware Development with Rust

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

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**Presenter(s):** Ben Purdy

Talk ID:  
13814  
td-bp-1

**Talk Title:** Bits to Atoms, the making of 'Be Still, My Low Poly Heart'

**5 min pre:** 11:25 am **Talk Start:** 11:30 am **Length:** 0:30:00 **End -5m:** 11:55 am **End:** 12:00 pm

- Have a water bottle for ready for the presenter
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**Presenter(s):** Jay Margalus

Talk ID:  
13820  
td-jm-1

**Talk Title:** Creating Conference Badges

**5 min pre:** 1:55 pm **Talk Start:** 2:00 pm **Length:** 0:30:00 **End -5m:** 2:25 pm **End:** 2:30 pm

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**Presenter(s):** Karl Anderson

Talk ID:  
13821  
td-ka-1

**Talk Title:** Futel: A Technology So Advanced We Leave It Out On The Street All Night

**5 min pre:** 2:25 pm    **Talk Start:** 2:30 pm    **Length:** 0:30:00    **End -5m:** 2:55 pm    **End:** 3:00 pm

- ] Have a water bottle for ready for the presenter
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**Presenter(s):** Andy LaFrazia

Talk ID:  
13810  
td-al-1

**Talk Title:** DFM with your CM: How to save time and money

**5 min pre:** 2:55 pm    **Talk Start:** 3:00 pm    **Length:** 0:30:00    **End -5m:** 3:25 pm    **End:** 3:30 pm

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**Presenter(s):** Bryan Costanich

Talk ID:  
13813  
td-bc-1

**Talk Title:** Hacking Appliances and Prototyping Next-generation Technology and Netduino and Xamarin

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

- Have a water bottle for ready for the presenter
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**Presenter(s):** Zach Archer

Talk ID:  
13823  
td-za-1

**Talk Title:** Programming for the Eye: Understanding Graphics and Light

**5 min pre:** 4:10 pm    **Talk Start:** 4:15 pm    **Length:** 1:00:00    **End -5m:** 5:10 pm    **End:** 5:15 pm

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  - Introduce the presenter(s) and the talk

**Presenter(s):** Tim 'mithro' Ansell

Talk ID:  
13822  
td-ta-1

**Talk Title:** Eating Rabbits: A guide to using Python to conquer FPGA video systems

**5 min pre:** 5:10 pm    **Talk Start:** 5:15 pm    **Length:** 1:00:00    **End -5m:** 6:10 pm    **End:** 6:15 pm

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**Presenter(s):** Alexander Dick

Talk ID:  
13824  
td-ad-1

**Talk Title:** Proto-pasta Filament: How hardware access fuels material innovation

**5 min pre:** 9:55 am **Talk Start:** 10:00 am **Length:** 1:00:00 **End -5m:** 10:55 am **End:** 11:00 am

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**Presenter(s):** Asaad Kaadan

Talk ID:  
13827  
td-ak-1

**Talk Title:** Hexabitz: Modularity from Nature to Electronics

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

- Have a water bottle for ready for the presenter
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**Presenter(s):** Josh Lifton

Talk ID:  
13829  
td-jl-1

**Talk Title:** Open Pitch Sessions

**5 min pre:** 11:25 am **Talk Start:** 11:30 am **Length:** 0:30:00 **End -5m:** 11:55 am **End:** 12:00 pm

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**Presenter(s):** Andrew Greenberg

Talk ID:  
13825  
td-ag-1

**Talk Title:** Standard Operating Procedures (SOPs) for Open Source Electronics

**5 min pre:** 1:55 pm **Talk Start:** 2:00 pm **Length:** 0:30:00 **End -5m:** 2:25 pm **End:** 2:30 pm

- Have a water bottle for ready for the presenter
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**Presenter(s):** Stephano Cetola

Talk ID:  
13830  
td-sc-1

**Talk Title:** Transforming New Product Development with Open Hardware

**5 min pre:** 2:25 pm    **Talk Start:** 2:30 pm    **Length:** 0:30:00    **End -5m:** 2:55 pm    **End:** 3:00 pm

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**Presenter(s):** Neils Nesse

Talk ID:  
13832  
td-nn-1

**Talk Title:** Signet: An implementation walkthrough, hacking possibilities, and future development

**5 min pre:** 2:55 pm    **Talk Start:** 3:00 pm    **Length:** 0:30:00    **End -5m:** 3:25 pm    **End:** 3:30 pm

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**Presenter(s):** Andrew Greenberg

Talk ID:  
13826  
td-ag-2

**Talk Title:** Making Open Source Schematics Not Suck

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

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

Talk ID:  
13831  
td-ks-1

**Talk Title:** Quick Enclosure Design with Fusion 360

**5 min pre:** 4:10 pm    **Talk Start:** 4:15 pm    **Length:** 1:00:00    **End -5m:** 5:10 pm    **End:** 5:15 pm

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**Presenter(s):** Andrew Sowa

Talk ID:

13828

td-as-1

**Talk Title:** Kicad: Designing With Complex Shapes

**5 min pre:** 5:10 pm    **Talk Start:** 5:15 pm    **Length:** 1:00:00    **End -5m:** 6:10 pm    **End:** 6:15 pm

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**Presenter(s):** Joe FitzPatrick

Talk ID:  
13837  
td-m-jf

**Talk Title:** How to Think About Security for Your Hardware Project

**5 min pre:** 8:55 am **Talk Start:** 9:00 am **Length:** 0:30:00 **End -5m:** 9:25 am **End:** 9:30 am

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**Presenter(s):** Nik Lyons & Chris Berge

Talk ID:  
13838  
td-m-nl-cb

**Talk Title:** Dr. Frankendrive or How I Learned to Stop Worrying and Recover Data

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

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**Presenter(s):** Chau Doan

Talk ID:  
13807  
td-cd-1

**Talk Title:** Firmware: Hardware's sneaky passenger

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

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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

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**Presenter(s):** Nadya Peek

Talk ID:  
13809  
td-np-1

**Talk Title:** How to build a BOM: Sourcing and open source

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

**Presenter(s):** George Mandis

Talk ID:

13808

**Talk Title:** More Than Music with MIDI, Tiny Computers & JavaScript

td-gm-1

**5 min pre:** 10:55 am **Talk Start:** 11:00 am **Length:** 1:00:00 **End -5m:** 11:55 am **End:** 12:00 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
  - 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



**Presenter(s):** Crowd Supply Staff

Talk ID:

13836

**Talk Title:** State of the Crowd

td-m-ji

**5 min pre:** 2:55 pm    **Talk Start:** 3:00 pm    **Length:** 1:00:00    **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
- ] 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):** Joe Grand

Talk ID:  
13818  
td-jg-1

**Talk Title:** Searching for the Light: Using OpticSpy to Receive Optical Transmissions

**5 min pre:** 9:55 am **Talk Start:** 10:00 am **Length:** 0:30:00 **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)
  - 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):** Greg Peek

Talk ID:  
13816  
td-gp-1

**Talk Title:** How to Make Your Own Designs Hackable

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

Talk ID:  
13811  
td-ap-1

**Talk Title:** Learning Electronics and Software - the Cheesey Way

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

Talk ID:  
13812  
td-aw-1

**Talk Title:** Hacking health: Open source hardware and medical devices

**5 min pre:** 11:25 am **Talk Start:** 11:30 am **Length:** 0:30:00 **End -5m:** 11:55 am **End:** 12:00 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
  - [ ] 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

**Presenter(s):** Jeremy Hong

Talk ID:  
13819  
td-jh-1

**Talk Title:** Design and Reverse Engineering: Playing on both sides of the field

**5 min pre:** 2:25 pm    **Talk Start:** 2:30 pm    **Length:** 0:30:00    **End -5m:** 2:55 pm    **End:** 3:00 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
  - 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