start: **16:00**　　end: **16:30**　　Len: 0:30:00　　id: 138　　

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

Adam McCombs

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

Adam McComb

Veyepar: TalkSigns.rfxml

start: **16:30** end: **17:00** Len: 0:30:00 id: 138 **set page 2 of 34**

PLM: Hardware's Source Control Management

Jake Janovetz

PLM: Hardware's Source Control Management

Jake Janovetz

Veyepar: TalkSigns.rfxml

start: **17:00**   end: **18:00**   Len: 1:00:00   id: 138   **set page 3 of 34**

Beginner Circuit Board Design with KiCad

Ken Olsen

Beginner Circuit Board Design with KiCad

Ken Olsen

Veyepar: TalkSigns.rfxml

start: **09:00**   end: **10:00**   Len: 1:00:00   id: 138

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

Andrew Greenberg

Open Source Space: What's happening, including OreSat, Oregon's first Cube

Andrew Greenberg

Veyepar: TalkSigns.rfxml

start: **13:00**   end: **14:00**   Len: 1:00:00   id: 138

Bunnie's Keynote

Andrew "Bunnie" Huang

Bunnie's Keynote

Andrew "Bunnie" Huang

Veyepar: TalkSigns.rfxml

start: **10:00** end: **11:00** Len: 1:00:00 id: 138 set page 6 of 34

Applications of the Software Defined Radio

Danny Webster

Applications of the Software Defined Radio

Danny Webster

Veyepar: TalkSigns.rfxml

start: **11:00**   end: **11:30**   Len: 0:30:00   id: 138   set page 7 of 34

Embedded Hardware Development with Rust

Jacob Creedon

Embedded Hardware Development with Rust

Jacob Creedon

Veyepar: TalkSigns.rfxml

start: **11:30**   end: **12:00**   Len: 0:30:00   id: 138   **set page 8 of 34**

Bits to Atoms, the making of 'Be Still, My Low Poly Heart'

Ben Purdy

Bits to Atoms, the making of 'Be Still, My Low Poly Heart'

Ben Purdy

Veyepar: TalkSigns.rfxml

start: **14:00**   end: **14:30**   Len: 0:30:00   id: 138

Creating Conference Badges

Jay Margalus

Creating Conference Badges

Jay Margalus

Veyepar: TalkSigns.rfxml

start: **14:30**　　end: **15:00**　　Len: 0:30:00　　id: 138　　**set page 10 of 34**

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

Karl Anderson

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

Karl Anderson

Veyepar: TalkSigns.rfxml

start: **15:00**   end: **15:30**   Len: 0:30:00   id: 138

DFM with your CM: How to save time and money

Andy LaFrazia

DFM with your CM: How to save time and money

Andy LaFrazia

Veyepar: TalkSigns.rfxml

start: **15:30**   end: **16:00**   Len: 0:30:00   id: 138

Hacking Appliances and Prototyping Next-generation Technology and Netduino and Xamarin

Bryan Costanich

Hacking Appliances and Prototyping Next-generation Technology and Netduino

Bryan Costanich

Veyepar: TalkSigns.rfxml

start: **16:15**   end: **17:15**   Len: 1:00:00   id: 138

Programming for the Eye: Understanding Graphics and Light

Zach Archer

Programming for the Eye: Understanding Graphics and Light

Zach Archer

Veyepar: TalkSigns.rfxml

start:**17:15** end:**18:15** Len: 1:00:00 id: 138

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

Tim 'mithro' Ansell

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

Tim 'mithro' Ansell

Veyepar: TalkSigns.rfxml

start:**10:00**　　end:**11:00**　　Len: 1:00:00　　id: 138　　

Proto-pasta Filament: How hardware access fuels material innovation

Alexander Dick

Proto-pasta Filament: How hardware access fuels material innovation

Alexander Dick

Veyepar: TalkSigns.rfxml

start: **11:00** end: **11:30** Len: 0:30:00 id: 138

Hexabitz: Modularity from Nature to Electronics

Asaad Kaadan

Hexabitz: Modularity from Nature to Electronics

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Veyepar: TalkSigns.rfxml

start: **11:30** end: **12:00** Len: 0:30:00 id: 138

Open Pitch Sessions

Josh Lifton

Open Pitch Sessions

Josh Lifton

Veyepar: TalkSigns.rfxml

start: **14:00**   end: **14:30**   Len: 0:30:00   id: 138

Standard Operating Procedures (SOPs) for Open Source Electronics

Andrew Greenberg

Standard Operating Procedures (SOPs) for Open Source Electronics

Andrew Greenberg

Veyepar: TalkSigns.rfxml

start: **14:30** end: **15:00** Len: 0:30:00 id: 138

Transforming New Product Development with Open Hardware

Stephano Cetola

Transforming New Product Development with Open Hardware

Stephano Cetola

Veyepar: TalkSigns.rfxml

start: **15:00**　　　end: **15:30**　　　Len: **0:30:00**　　id: **138**　　　

Signet: An implementation walkthrough, hacking possibilities, and future development

Neils Nesse

Signet: An implementation walkthrough, hacking possibilities, and future devel

Neils Nesse

Veyepar: TalkSigns.rfxml

start: 15:30   end: 16:00   Len: 0:30:00   id: 138

Making Open Source Schematics Not Suck

Andrew Greenberg

Making Open Source Schematics Not Suck

Andrew Greenberg

Veyepar: TalkSigns.rfxml

start: **16:15**　　end: **17:15**　　Len: 1:00:00　　id: 138

Quick Enclosure Design with Fusion 360

Kevin Schneider

Quick Enclosure Design with Fusion 360

Kevin Schneider

Veyepar: TalkSigns.rfxml

start: **17:15**   end: **18:15**   Len: 1:00:00   id: 138

Kicad: Designing With Complex Shapes

Andrew Sowa

Kicad: Designing With Complex Shapes

Andrew Sowa

Veyepar: TalkSigns.rfxml

start: **09:00**   end: **09:30**   Len: 0:30:00   id: 138

How to Think About Security for Your Hardware Project

Joe FitzPatrick

How to Think About Security for Your Hardware Project

Joe FitzPatrick

Veyepar: TalkSigns.rfxml

start:**09:30**　　end:**10:00**　　Len: 0:30:00　　id: 138　　　　**set page 25 of 34**

Dr. Frankendrive or How I Learned to Stop Worrying and Recover Data

Nik Lyons & Chris Berge

Dr. Frankendrive or How I Learned to Stop Worrying and Recover Data

Nik Lyons & Chris Berge

Veyepar: TalkSigns.rfxml

start: **10:00**　end: **10:30**　Len: 0:30:00　id: 1380

Firmware: Hardware's sneaky passenger

Chau Doan

Firmware: Hardware's sneaky passenger

Chau Doan

Veyepar: TalkSigns.rfxml

start: **10:30** end: **11:00** Len: 0:30:00 id: 1380

How to build a BOM: Sourcing and open source

Nadya Peek

How to build a BOM: Sourcing and open source

Nadya Peek

Veyepar: TalkSigns.rfxml

start: **11:00**　　end: **12:00**　　Len: 1:00:00　　id: 138

More Than Music with MIDI, Tiny Computers & JavaScript

George Mandis

More Than Music with MIDI, Tiny Computers & JavaScript

George Mandis

Veyepar: TalkSigns.rfxml

start: **15:00**   end: **16:00**   Len: 1:00:00   id: 138

State of the Crowd

Crowd Supply Staff

State of the Crowd

Crowd Supply Staff

Veyepar: TalkSigns.rfxml

start: **10:00**　　end: **10:30**　　Len: 0:30:00　　id: 138　　

Searching for the Light: Using OpticSpy to Receive Optical Transmissions

Joe Grand

Searching for the Light: Using OpticSpy to Receive Optical Transmissions

Joe Grand

Veyepar: TalkSigns.rfxml

start: **10:30**   end: **11:00**   Len: 0:30:00   id: 138   **set page 31 of 34**

How to Make Your Own Designs Hackable

Greg Peek

How to Make Your Own Designs Hackable

Greg Peek

Veyepar: TalkSigns.rfxml

start: **11:00** end: **11:30** Len: 0:30:00 id: 138

Learning Electronics and Software - the Cheesey Way

Alvaro Prieto

Learning Electronics and Software - the Cheesey Way

Alvaro Prieto

Veyepar: TalkSigns.rfxml

start: **11:30** end: **12:00** Len: 0:30:00 id: 138 **set page 33 of 34**

Hacking health: Open source hardware and medical devices

Ashwin K Whitchurch

Hacking health: Open source hardware and medical devices

Ashwin K Whitchurch

Veyepar: TalkSigns.rfxml

start: **14:30** end: **15:00** Len: 0:30:00 id: 138 **set page 34 of 34**

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

Jeremy Hong

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

Jeremy Hong

Veyepar: TalkSigns.rfxml