

start: 10:45

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Len: 0:20:0

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Toolmaking

Julien Goodwin

Toolmaking

Julien Goodwin

start: **11:05** end: **11:30**

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Python++ – Bringing your code to the next level

Jan Groth

Python++ – Bringing your code to the next level

Jan Groth

start: **11:35**

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id: 145

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Adventures in highish availability

Peter Chubb

Adventures in highish availability

Peter Chubb

start: **11:55** end: **12:05**

Len: 0:10:0

id: 145

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Survival guide for women in IT

Anna Fiofilova

Survival guide for women in IT

Anna Fiofilova

start: **12:05** end: **12:20**

Len: 0:15:0

id: 145

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The Free Software Mirror Group

Brad Cowie, James Forman

The Free Software Mirror Group

Brad Cowie, James Forman

start: **13:30** end: **13:50** Len: 0:20:0 id: 145

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Distributed storage is easier now: usability from Ceph Luminous to Nautilus

Tim Serong

Distributed storage is easier now: usability from Ceph Luminous to Nautilus

Tim Serong

Veyepar: TalkSigns.rfxml

start: **14:10** end: **14:20**

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Using containers for HPC workloads (but avoiding Docker)

Eric Burgueño

Using containers for HPC workloads (but avoiding Docker)

Eric Burgueño

start: **14:25** end: **14:45**

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Samba for the 100,000 user enterprise: are we there yet?

Andrew Bartlett

Samba for the 100,000 user enterprise: are we there yet?

Andrew Bartlett

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id: 145

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Dirty Samba hacks to make your life easier

Kirin van der Veer

Dirty Samba hacks to make your life easier

Kirin van der Veer

start: **15:50** end: **16:20**

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Keeping the Balance: loadbalancing demystified

Murali Suriar

Keeping the Balance: loadbalancing demystified

Murali Suriar

start: **16:20** end: **16:40**

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id: 145

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Oracle Public Cloud DevOps: OpenStack CI/CD Infrastructure

Dong Ma

Oracle Public Cloud DevOps: OpenStack CI/CD Infrastructure

Dong Ma

start: **16:45** end: **17:10**

Len: 0:25:0

id: 145

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Prometheus - For both big and little people

Simon Lyall

Prometheus - For both big and little people

Simon Lyall

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Len: 0:20:0

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Creating Ubuntu and Debian container base images, the old and simple way

Hamish Coleman

Creating Ubuntu and Debian container base images, the old and simple way

Hamish Coleman

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Chaining some blocks together

Josh Deprez

Chaining some blocks together

Josh Deprez

start: 11:10

end: 11:30

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id: 146

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The Value of an Apology

Jen Zajac

The Value of an Apology

Jen Zajac

start: **11:35** end: **11:55**

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What the dep is going on with Go dependency management?

Adam Harvey

What the dep is going on with Go dependency management?

Adam Harvey

start: **12:00** end: **12:20**

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Chaining some blocks together

Josh Deprez

Chaining some blocks together

Josh Deprez

start: 13:30

end: 13:50

Len: 0:20:0

id: 146

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The Joy of Spreadsheets

Josh Simmons

The Joy of Spreadsheets

Josh Simmons

start: **13:55** end: **14:15** Len: 0:20:0 id: 146

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How Much Do You Trust That Package? Understanding The Software Supply Chain

Benno Rice

How Much Do You Trust That Package? Understanding The Software Supply Chain

Benno Rice

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id: 146

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Automated firewall testing

Kristof Provost

Automated firewall testing

Kristof Provost

start: **14:50** end: **15:10**

Len: 0:20:0

id: 146

set page 21 of 165

Clockwork: Programming with rules

Mike O'Connor

Clockwork: Programming with rules

Mike O'Connor

start: **13:30**

end: **13:55**

Len: 00:25:00

id: 146

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Donkey Car electronics design

Jonathan Oxer

Donkey Car electronics design

Jonathan Oxer

start: **13:55** end: **14:20**

Len: 00:25:00 id: 146

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Car connection and config

TBA

Car connection and config

TBA

start: **14:20** end: **14:45**

Len: 00:25:00 id: 146

set page 24 of 165

Donkey Car tuning and training

Andy Gelme

Donkey Car tuning and training

Andy Gelme

start: **14:45** end: **15:10**

Len: 00:25:00 id: 146

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Donkey Cars in education

Matt Pattison

Donkey Cars in education

Matt Pattison

start: **15:50** end: **16:15** Len: 00:25:00 id: 146

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Clockwork

Mike O'Connor

Clockwork

Mike O'Connor

start: **16:15** end: **16:40**

Len: 00:25:00 id: 146

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10 years of Open Hardware Miniconf projects

Marc Merlin

10 years of Open Hardware Miniconf projects

Marc Merlin

start: **16:40**

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Len: 00:45:00

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LED Matrix Fun

Marc Merlin

LED Matrix Fun

Marc Merlin

start: **16:40** end: **17:30**

Len: 00:50:00 id: 146

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Lighting Talks C3 Monday

Various

Lighting Talks C3 Monday

Various

start: **09:10** end: **10:00**

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Keynote: Beyond README.md (Room C1)

Rory Aronson

Keynote: Beyond README.md (Room C1)

Rory Aronson

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Reliable Linux Kernel Crash Dump with Micro-Controller Assistance

Vasant Hegde

Reliable Linux Kernel Crash Dump with Micro-Controller Assistance

Vasant Hegde

Veyepar: TalkSigns.rfxml

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Database as Filesystem

Peter Chubb

Database as Filesystem

Peter Chubb

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Len: 0:45:0

id: 145

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Kernel Security Is Cool Again

Casey Schaufler

Kernel Security Is Cool Again

Casey Schaufler

start: 13:30

end: 13:55

Len: 0:25:0

id: 145

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Clang Built Linux

Joel Stanley

Clang Built Linux

Joel Stanley

start: **13:55** end: **14:20**

Len: 0:25:0

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Forwarding syscalls to userspace

Tycho Andersen

Forwarding syscalls to userspace

Tycho Andersen

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MM101 introduction to memory management

Christopher Lameter

MM101 introduction to memory management

Christopher Lameter

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Patching through the snow: decentralised kernel CI on every patch

Russell Currey

Patching through the snow: decentralised kernel CI on every patch

Russell Currey

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Gen-Z on Linux: Supporting a New System Interconnect in Free Software

Keith Packard

Gen-Z on Linux: Supporting a New System Interconnect in Free Software

Keith Packard

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XArray: One Data Structure To Rule Them All

Matthew Wilcox

XArray: One Data Structure To Rule Them All

Matthew Wilcox

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id: 145

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Being kind to 3am you

Katie McLaughlin

Being kind to 3am you

Katie McLaughlin

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Making Yourself Redundant on Day One

Alexandra Perkins

Making Yourself Redundant on Day One

Alexandra Perkins

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JIT Learning: It's great until it isn't

Tessa Bradbury

JIT Learning: It's great until it isn't

Tessa Bradbury

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Finding your tribe - choosing open source communities

Cintia Del Rio

Finding your tribe - choosing open source communities

Cintia Del Rio

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Through the looking glass - how user testing can give technical writers better perspective

Fraser Mitchell

Through the looking glass - how user testing can give technical writers better p

Fraser Mitchell

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Expanding the Soft Skills Toolkit: The Art and Science of Diagramming

Adam Moszt

Expanding the Soft Skills Toolkit: The Art and Science of Diagramming

Adam Moszt

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How to avoid meetings

Maia Sauren

How to avoid meetings

Maia Sauren

start: **16:15**

end: **16:40**

Len: 0:25:0

id: 145

set page 47 of 165

Disaster recovery book

Svetlana Marina

Disaster recovery book

Svetlana Marina

start: **16:40** end: **17:10**

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The Bus Plan - Junior Staff Training

Andrew Jeffree

The Bus Plan - Junior Staff Training

Andrew Jeffree

start: **17:10** end: **17:30** Len: 0:20:0 id: 145

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When Agile Doesn't Work Anymore: Managing a Large Documentation Project

Lana Brindley

When Agile Doesn't Work Anymore: Managing a Large Documentation Project

Lana Brindley

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Design for Security

Serena Chen

Design for Security

Serena Chen

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Stepping up the game against Web trackers

Martin Krafft

Stepping up the game against Web trackers

Martin Krafft

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Petabytes Data Migration and Load Balancing with Football+MARS

Thomas Schoebel-Theuer

Petabytes Data Migration and Load Balancing with Football+MARS

Thomas Schoebel-Theue

Veyepar: TalkSigns.rfxml

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The delightful user experience of security

Casey Schaufler

The delightful user experience of security

Casey Schaufler

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My year on the front line - cleaning infected sites

Stephen Rees-Carter

My year on the front line - cleaning infected sites

Stephen Rees-Carter

Veyepar: TalkSigns.rfxml

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How to develop software in an #AABill world

Ben Dechrai

How to develop software in an #AABill world

Ben Dechrai

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Decentralising identity

Martin Krafft

Decentralising identity

Martin Krafft

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How to Disappear Completely

Lilly Ryan

How to Disappear Completely

Lilly Ryan

start: **10:45** end: **11:30**

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Reproducing Colour: Understanding our Cameras

William Brown

Reproducing Colour: Understanding our Cameras

William Brown

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Noisefloor: Are web technologies ready for real time audio?

Jacob Lister

Noisefloor: Are web technologies ready for real time audio?

Jacob Lister

start: **12:00** end: **12:20** Len: 0:20:0 id: 145

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Printed circuit artboards - how rapid PCB manufacturing is a thing of beauty

Christopher Biggs

Printed circuit artboards - how rapid PCB manufacturing is a thing of beauty

Christopher Biggs

Veyepar: TalkSigns.rfxml

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MIXED REALITY AND ART: THE QUEST FOR THE SHINY

J Rosenbaum

MIXED REALITY AND ART: THE QUEST FOR THE SHINY

J Rosenbaum

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Stories as Systems: How emerging narrative tools are shaping the future of storytelling

Mark Rickerby

Stories as Systems: How emerging narrative tools are shaping the future of stc

Mark Rickerby

start: **15:50** end: **16:35**

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Designing functional clothes with Haskell!

Noon van der Silk

Designing functional clothes with Haskell!

Noon van der Silk

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The world has changed, but school hasn't

Lana Brindley, Tahlia White

The world has changed, but school hasn't

Lana Brindley, Tahlia White

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Open CS education resources for schools - how hard could it be?

Tim Bell

Open CS education resources for schools - how hard could it be?

Tim Bell

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The case for learning real programming skills

Arjen Lentz

The case for learning real programming skills

Arjen Lentz

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Zen and the Art of Learning Assembler in the 21st Century

Tom Cully

Zen and the Art of Learning Assembler in the 21st Century

Tom Cully

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Open Source AI and speech recognition

Kathy Reid

Open Source AI and speech recognition

Kathy Reid

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Democratising higher education with OERs and FOSS

Dave Lane

Democratising higher education with OERs and FOSS

Dave Lane

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Using open source communities to provide uni students an insight into the IT industry.

Peter Serwylo

Using open source communities to provide uni students an insight into the IT ir

Peter Serwylo

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Keynote: #WeAreNotWaiting: how open source is changing healthcare (C1)

Dana Lewis

Keynote: #WeAreNotWaiting: how open source is changing healthcare (C1)

Dana Lewis

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Taking technology to the birds

Clare McLennan, Menno Finlay-Smits

Taking technology to the birds

Clare McLennan, Menno Finlay-Smits

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Booting faster

Stewart Smith

Booting faster

Stewart Smith

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Firmware security, why it matters and how you can have it

Matthew Garrett

Firmware security, why it matters and how you can have it

Matthew Garrett

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FPGA based mobile phone: Creating a truly open and trustable mobile communications device

Paul Gardner-Stephen

FPGA based mobile phone: Creating a truly open and trustable mobile commu

Paul Gardner-Stephen

Veyepar: TalkSigns.rfxml

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Why linux.conf.au continues to amaze 20 years on!

Steven Hanley, Angus Lees, Hugh Blemings

Why linux.conf.au continues to amaze 20 years on!

Steven Hanley, Angus Lees, Hugh Blemings

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Right to Not Broadcast

Karen Sandler

Right to Not Broadcast

Karen Sandler

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FileSender: Sharing large files across research facilities

Ben Martin

FileSender: Sharing large files across research facilities

Ben Martin

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AI and AR a match made in heaven

J Rosenbaum

AI and AR a match made in heaven

J Rosenbaum

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Around the world in 80 Microamps - ESP32 and LoRa for low-power IoT

Christopher Biggs

Around the world in 80 Microamps - ESP32 and LoRa for low-power IoT

Christopher Biggs

Veyepar: TalkSigns.rfxml

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Rust for IOT

E. Dunham

Rust for IOT

E. Dunham

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What's new in control groups (cgroups) version 2?

Michael Kerrisk

What's new in control groups (cgroups) version 2?

Michael Kerrisk

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BlueHackers: a decade

Arjen Lentz

BlueHackers: a decade

Arjen Lentz

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Open Source Superhumans

Jonathan Oxer

Open Source Superhumans

Jonathan Oxer

start: 11:35

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Len: 0:45:0

id: 144

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Hot Potato

James Forman, Callum Dickinson

Hot Potato

James Forman, Callum Dickinson

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Using an Open Source SDN controller to deploy a high-speed production network

Brad Cowie

Using an Open Source SDN controller to deploy a high-speed production netw

Brad Cowie

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Deep Learning, Not Deep Creepy

Jack Moffitt

Deep Learning, Not Deep Creepy

Jack Moffitt

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Learn Complex Skills, From Anywhere: Combining Django, Ansible and OpenStack to teach any tech skill

Florian Haas

Learn Complex Skills, From Anywhere: Combining Django, Ansible and OpenStack to teach any tech skill

Florian Haas

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Optimising ID Allocation for low-memory devices

Matthew Wilcox

Optimising ID Allocation for low-memory devices

Matthew Wilcox

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De-mystifying interrupt balancing: irqbalance

PJ (Peter) Waskiewicz

De-mystifying interrupt balancing: irqbalance

PJ (Peter) Waskiewicz

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RCU's First-Ever CVE, and How I Lived to Tell the Tale

Paul E. McKenney

RCU's First-Ever CVE, and How I Lived to Tell the Tale

Paul E. McKenney

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Open Source Quantum Computing

Matthew Treinish

Open Source Quantum Computing

Matthew Treinish

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"I'm sorry Dave, I can't do that": Ethics in Software Development

Dr. Morgan Leigh

"I'm sorry Dave, I can't do that": Ethics in Software Development

Dr. Morgan Leigh

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Hardware hacking 101: There is plenty of room at the bottom

Federico Lucifredi

Hardware hacking 101: There is plenty of room at the bottom

Federico Lucifredi

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Designing & manufacturing a custom embedded linux machine.

Julien Goodwin

Designing & manufacturing a custom embedded linux machine.

Julien Goodwin

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Plastic is Forever: Designing Tomu's Injection-Molded Case

Sean "xobs" Cross

Plastic is Forever: Designing Tomu's Injection-Molded Case

Sean "xobs" Cross

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Desktop to Mobile - Developing for Multiple Platforms without Losing Your Mind

Dirk Hohndel

Desktop to Mobile - Developing for Multiple Platforms without Losing Your Mind

Dirk Hohndel

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How the quest to prevent time from running out has led me to all corners of the Linux kernel

Deepa Dinamani

How the quest to prevent time from running out has led me to all corners of the

Deepa Dinamani

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Doing it the Hard Way - Building a Vulkan VR Engine for Linux

Pete Black

Doing it the Hard Way - Building a Vulkan VR Engine for Linux

Pete Black

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MR Security: Learning from IoT's Mistakes

Diane Hosfelt

MR Security: Learning from IoT's Mistakes

Diane Hosfelt

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Bugs in your server

Joel Stanley

Bugs in your server

Joel Stanley

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See what your computer is doing with Ftrace utilities

Steven Rostedt

See what your computer is doing with Ftrace utilities

Steven Rostedt

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Game development with Lua, for Beginners

Seth Kenlon

Game development with Lua, for Beginners

Seth Kenlon

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Home Automation, just do it

Alastair D'Silva

Home Automation, just do it

Alastair D'Silva

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Keynote: Personal Branding for the Security Conscious (C1)

Shannon Morse

Keynote: Personal Branding for the Security Conscious (C1)

Shannon Morse

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Sequencing DNA with Linux Cores and Nanopores

David Eccles

Sequencing DNA with Linux Cores and Nanopores

David Eccles

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The Robots Won't Take Away Our Jobs — Let's Reframe the Debate on Artificial Intelligence

Martin Krafft

The Robots Won't Take Away Our Jobs — Let's Reframe the Debate on Artific

Martin Krafft

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Go All-In!

Bdale Garbee

Go All-In!

Bdale Garbee

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end: 15:10

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The kernel report

Jonathan Corbet

The kernel report

Jonathan Corbet

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Teaching 9-10 year olds to code

Robert Ancell

Teaching 9-10 year olds to code

Robert Ancell

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The Tragedy of systemd

Benno Rice

The Tragedy of systemd

Benno Rice

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The AV1 Video Codec

Timothy B. Terriberry

The AV1 Video Code

Timothy B. Terriberry

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Using containers to analyse the impact of climate change

Eric Burgueño

Using containers to analyse the impact of climate change

Eric Burgueño

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Taking it to the Nest Level - Nested KVM on the POWER9 Processor

Suraj Jitindar Singh

Taking it to the Nest Level - Nested KVM on the POWER9 Processor

Suraj Jitindar Singh

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Network Monitoring with AMP

Brendon Jones

Network Monitoring with AMP

Brendon Jones

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Climbing the Summit with Open Source and POWER9

Michael Neuling

Climbing the Summit with Open Source and POWER9

Michael Neuling

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Executable Code Golf: Making Tiny Binaries for Constrained Systems

Nathan Egge

Executable Code Golf: Making Tiny Binaries for Constrained Systems

Nathan Egge

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Improving Graphics Interactivity - It's All in the Timing.

Keith Packard

Improving Graphics Interactivity - It's All in the Timing.

Keith Packard

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Finite state machines: a design pattern for FPGAs and React

Tessa Bradbury

Finite state machines: a design pattern for FPGAs and React

Tessa Bradbury

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GStreamer WebRTC - The flexible solution to web-based media

Matthew Waters

GStreamer WebRTC - The flexible solution to web-based media

Matthew Waters

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Adding location awareness with GPS technology

Mike 'Hamster' Field

Adding location awareness with GPS technology

Mike 'Hamster' Field

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Open Source Tools for Publishing and Processing Earth Observation Imagery

Paul Haesler

Open Source Tools for Publishing and Processing Earth Observation Imagery

Paul Haesler

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The dark side of the ForSSHe

Hugo Porcher, romain dumont

The dark side of the ForSSHe

Hugo Porcher, romain dumont

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A Long Day's Journey Into Backups

Rachel Kelly

A Long Day's Journey Into Backups

Rachel Kelly

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Autopsy of a Browser

Erin Zimmer

Autopsy of a Browser

Erin Zimmer

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Linux Kernel Licensing - toward "grep"ability.

Kate Stewart

Linux Kernel Licensing - toward "grep"ability.

Kate Stewart

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Beach Wreck Ignition: Challenges in open source voice

Kathy Reid

Beach Wreck Ignition: Challenges in open source voice

Kathy Reid

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Lets LISP like it's 1959

Kristoffer Gronlund

Lets LISP like it's 1959

Kristoffer Gronlund

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Petitboot: Linux in the Bootloader

Sam Mendoza-Jonas

Petitboot: Linux in the Bootloader

Sam Mendoza-Jonas

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Open Source. Open Data. Changing lives for the better.

Liz MacPherson

Open Source. Open Data. Changing lives for the better.

Liz MacPherson

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SymbiFlow - The next generation FOSS FPGA toolchain

Tim 'mithro' Ansell

SymbiFlow - The next generation FOSS FPGA toolchain

Tim 'mithro' Ansell

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Using Open Hardware from my shirt to OS testing for Google's Fuchsia

Marc MERLIN

Using Open Hardware from my shirt to OS testing for Google's Fuchsia

Marc MERLIN

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A case study in incrementing a language's major version: PHP

Adam Harvey

A case study in incrementing a language's major version: PHP

Adam Harvey

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Writing Viruses for Fun, not Profit

Ben Dechrai

Writing Viruses for Fun, not Profit

Ben Dechrai

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Home multimedia and automation systems with GStreamer

Jan Schmidt

Home multimedia and automation systems with GStreamer

Jan Schmidt

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Awesome Monitoring Infrastructure Using the Elastic Stack

Mark Walkom, Karen Carcamo

Awesome Monitoring Infrastructure Using the Elastic Stack

Mark Walkom, Karen Carcamo

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Faucet SDN Tutorial

Brad Cowie

Faucet SDN Tutorial

Brad Cowie

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Mozilla Project Things Workshop

kathy giori

Mozilla Project Things Workshop

kathy giori

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Keynote: A linux.conf.au Story (C1)

Rusty Russell

Keynote: A linux.conf.au Story (C1)

Rusty Russell

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Security Vulnerability Mitigations

Joel Sing

Security Vulnerability Mitigations

Joel Sing

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Clockwork and its tools – Open Source Software to make things more easily

Mike O'Connor

Clockwork and its tools – Open Source Software to make things more easily

Mike O'Connor

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Production ready Kubernetes in OpenStack public clouds

Feilong Wang, Xingchao Yu

Production ready Kubernetes in OpenStack public clouds

Feilong Wang, Xingchao Yu

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STM32 Development Boards (literally) Falling From The Sky

Mark Jessop, Michael Wheeler

STM32 Development Boards (literally) Falling From The Sky

Mark Jessop, Michael Wheeler

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Digital Future Aotearoa report back from the Children's Program

Digital Future Aotearoa report back from the Children's Program

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Conference Lightning Talks (Friday)

Conference Lightning Talks (Friday)

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Conclusion - LCA 2019

Conclusion - LCA 2019

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Preventing the IoT Dystopia with Copyleft

Bradley M. Kuhn

Preventing the IoT Dystopia with Copyleft

Bradley M. Kuhn

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Facebook, Dynamite, Uber, Bombs, and You.

Lana Brindley

Facebook, Dynamite, Uber, Bombs, and You.

Lana Brindley

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Making C Less Dangerous in the Linux kernel

Kees Cook

Making C Less Dangerous in the Linux kernel

Kees Cook

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Who pays the piper? The caller of the tune.

Don Christie

Who pays the piper? The caller of the tune.

Don Christie

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Lightning Talks - C2, Monday

Various

Lightning Talks - C2, Monday

Various

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Multiple Birds with One Linux, IoT in the Automotive Space

Malini Bhandaru

Multiple Birds with One Linux, IoT in the Automotive Space

Malini Bhandaru

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Does making the kernel harder make making the kernel harder?

Casey Schaufler

Does making the kernel harder make making the kernel harder?

Casey Schaufler

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1space: Sharing data across clouds

John Dickinson

1space: Sharing data across clouds

John Dickinson

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Maintaining the Unmaintainable: Picking up the Baton of a Secure Kernel Patchset

Matthew Ruffell

Maintaining the Unmaintainable: Picking up the Baton of a Secure Kernel Patchset

Matthew Ruffell

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Growing TypeScript and Rust

Jonathan Turner

Growing TypeScript and Rust

Jonathan Turner

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Web Security 2019

James Bromberger

Web Security 2019

James Bromberge

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Open Source Magnetic Resonance Imaging: From the Community to the Community.

Ruben Pellicer Guridi

Open Source Magnetic Resonance Imaging: From the Community to the Comr

Ruben Pellicer Guridi

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Apathy and Arsenic: a Victorian Era lesson on fighting the surveillance state

Lilly Ryan

Apathy and Arsenic: a Victorian Era lesson on fighting the surveillance state

Lilly Ryan

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Cache Pathology Report of Linux System Calls

Xi Yang

Cache Pathology Report of Linux System Calls

Xi Yang

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Making the P.A.I.N C.A.V.E

Stephen Hemminger

Making the P.A.I.N C.A.V.E

Stephen Hemminger

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OpenLI: Lawful Intercept Without the Massive Price Tag

Shane Alcock

OpenLI: Lawful Intercept Without the Massive Price Tag

Shane Alcock

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But Mummy I don't want to use CUDA - Open source GPU compute

Dave Airlie

But Mummy I don't want to use CUDA - Open source GPU compute

Dave Airlie

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Docker for novices

Alec Clews

Docker for novices

Alec Clews

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Building reproducible computing environments: a workshop for non-experts

Aleksandra Pawlik

Building reproducible computing environments: a workshop for non-experts

Aleksandra Pawlik