	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2111
09:30	Welcome to FOSDEM 2019							
09:45								
10:00	Can Anyone Live in Full Software Freedom Today?							
10:15								
10:30				Welcome to the MySQL, MariaDB & Friends D...	Welcome / State of OpenJDK	AMENDMENT Introduction of OSS Weaviate, the Decentralised Knowledge Graph	VLC 4.0	
10:45				Patterns and anti-patterns in OSS participation				
11:00	FLOSS, the Internet and the Future	Better loop mounts with NBD					The final release of Kodi v18	
11:15				Making Your MySQL Replication Setup Run Faster!	Rumble in the Java Jungle	Gephi JS: Exploring the dystopian future of a Javascript Gephi		
11:30							GStreamer 1.16 and beyond	
11:45				AMENDMENT Un-split brain (aka Move Back in Time) MySQL	Loom: Weaving executions			
12:00	Blockchain: The Ethical Considerations	ELI5: ZFS Caching	Creating a Computing Revolution: from Personal Computers to P...			Leveraging real-time streaming with Neo4j-Streams	Fearless Multimedia Programming	
12:15				MySQL Replication - Advanced Features	Java Checkpoint/Restore			
12:30			Cogito				GStreamer embedded state of the union 2019 ↴	
12:45			Emitter: Scalable, fast and secure pub/su...	Tapping Into the Binary Log Change Stream...		Graph usage in EFL ↴		

	H.2213	H.2214	H.3242	H.3244	AW1.120	AW1.121	AW1.125	AW1.126
09:30								
09:45								
10:00								
10:15								
10:30	"Enlightening" KVM	XDP (eXpress Data Path) as a building block for other FOSS projects			Welcome to the Open Source Design Collective!	When open source meets quantum computing	Welcome to the Ada De...	LLVM+Clang for RISC-V
10:45							An Introduction to Ada for Beginning and Experienced Programmers	
11:00	Getting To Blinky: Virt Edition		Apache Maven		Component-based Design System and Development	Forest: An Open Source Quantum Software Development Kit		
11:15		Cilium - overview and recent updates						
11:30	Toward exploring virtual disks using a file manager!				Open Educational Resources on Digital Accessibility for Building Your Own Courses		Sequential Programming in Ada: Lessons Learned	Porting Debian to the RISC-V architecture
11:45		Merging System and Network Monitoring with BPF				Delivering Practical Quantum Computing on the D-Wave System		
12:00	It's Time for the Populator				Designing for Activism		Autonomous Train Control Systems: a First Approach	
12:15		Unifying network filtering rules for the Linux kernel with eBPF						
12:30	Bare Metal In The Cloud: Isn't it Ironic? ↳	Oko: Open vSwitch Extensions with BPF			UX at Tor	D-Wave's Software Development Kit ↳		The future of Supervisor Binary Interface(SBI) ↳
12:45		An update on Virtio ↳...						

	K.3.201	K.3.401	K.4.201	K.4.401	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)
09:30								
09:45								
10:00								
10:15								
10:30	.NET on the Web with Mono WebAssembly	25 Years of FreeBSD	A small, FRP DSL for distributed systems	VkRunner: a Vulkan shader test tool	Welcome to the RetroC…	Relaunching the ODF Adoption TC at OASIS		Welcome to the Legal …
10:45					Hatari - a cycle-exact Atari ST emulator			What did I just agree to?
11:00	Advanced TypeScript tooling at scale	How to build a FreeBSD CI/CD environment based on pot container	Why JSON when you can DSL?	Intel GFX CI: Validation done the Linux way		Server side solution for generating ODF reports		Introducing the CERN Open Hardware Licence version 2
11:15			Templating Languages for Interactive Fiction		AMENDMENT Open source projects at Silicium retrocomputing association			
11:30	Typescript => IL => Game Modding Supercharged			XR		Resurrecting Mozilla Themes for LibreOffice		Now what? Following through on your community guidelines
11:45		Automated firewall testing	Tcl - An Embeddable Long-lever with a Comfortable Grip, that fits in your Pocket.					
12:00	Hacking F# in JS ecosystem		Minimalism matters	IGT GPU Tools - the past, the present, the future	CANCELED Restoring a 30+ years old Minitel server on Apple II	Quo vadis, LibreOffice extensions?		Open source in the quest for GDPR compliance
12:15								
12:30	AMENDMENT Retro.NET - .NET for building Console Applications	Embedded FreeBSD on a five-core RISC-V processor using LLVM ↴	Minimalism versus Types	Wayland in IVI systems ↴	GBForth: Using Forth to understand the Game Boy ↴	Improving LibreOffice quality together ↴		LibreOffice: the origins of a community fork ↴
12:45	Connecting .NET Core …							

	UB2.147	UB2.252A (Lameere)	UB4.132	UB5.132	UD2.119	UD2.120 (Chavanne)	UD2.208 (Decroly)	UD2.218A
09:30								
09:45								
10:00								
10:15								
10:30		Ten years of Puppet installations: what now?			Introduction to OpenAPI Specification	The State of Go	Continuous Localization	CANCELLED Open and federated identities with ID4me
10:45								
11:00		Keeping Track of Stateful Infrastructure			Building Pantheon documentation	Building modern desktop apps in Go	Firefox is your Marionette	Watching Them Watching Us
11:15								
11:30					Multilingual Kubernetes	How to write a reverse-proxy with Go in 25 minutes	HTTP/3	Analysis of the behavior of mobile applications and its consequences for our privacy
11:45								
12:00		Multicloud CI/CD with OpenStack and Kubernetes			Write Drunk - Test Automated	Git database with bitmap index		LibreHosters
12:15								
12:30					Getting to Closer to a Software Help Language ⤵	Hands on debugging with Delve ⤵	Global Consent Manager ⤵	Onion adventures ⤵
12:45								

	UD2.Corridor	J.1.106
09:30		
09:45		
10:00		
10:15		
10:30		
10:45		
11:00		
11:15		
11:30		
11:45		
12:00		Apache Camel Meetup ↴
12:15		
12:30		
12:45		

	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2111
			↳ Emitter: Scalable, …	↳ Tapping Into the Binary Log Change Stre…	Java with Docker: How to Make it Work	↳ Graph usage in EFL	↳ GStreamer embedded …	
13:00	Mattermost's Approach to Layered Extensibility in Open Source	AMENDMENT Handling Security Flaws in an Open Source Project - Jeremy Allison	Leela Chess Zero				Inject the Web into your GStreamer pipeli...	
13:15				The art of multiplexing MySQL connections with ProxySQL		Using networks to study 18th century French trade	Voice Controlled Radio	
			MALT, A Malloc Tracker		Performance tuning Twitter services with Graal and Machine Learning			
13:30							EBUs - Live IP Software Toolkit	
13:45			Structured Concurrency	Improve your SQL				
					Securing the JVM, neither for fun nor for profit, but do you really have a choice?	Differentiated access control to graph data		
14:00	Matrix in the French State	Square Kilometre Array and its Software Defined Supercomputer	VBoard, making web dashboards in 3D and VR				RIST - an evolutionary video transport protocol	
14:15				LATERAL derived table in MySQL				
			MicroPython – Python for Microcontrollers		Learning about Deep Learning: Applications for OpenJDK/Java Verification			
14:30							Video Analysis using CUDA and OpenCV	
14:45			A brief story about friendship	Test complex database systems in a laptop with dbdeployer		Multiplex graph analysis with GraphBLAS		
					An introduction to Middleware Application Monitoring with Java Mission Control and Flight Recorder			
15:00	DNS over HTTPS - the good, the bad and the ugly	PostgreSQL Goes to 11!	My 10 year journey with FOSSASIA: A woman's pathway to open s...				Futatabi: Multi-camera instant replay with slow motion	
15:15								
			Autocrypt - Automating E-Mail Encryption		The Missing Benchmark Metric: Memory Consumption	Mgmt Config: A tale of three graphs		
15:30							The SReview review system	
			IMAP, JMAP and the future of open email standards					
15:45					A walkthrough guide to implementing a compiler intrinsic ↴			
16:00	Netflix and FreeBSD ↴	Hugepages and databases ↴	Eventyay! An event system for community o...				How libre can you go? ↴	

	H.2213	H.2214	H.3242	H.3244	AW1.120	AW1.121	AW1.125	AW1.126
	↳ Bare Metal In The Cloud: Isn't it Ironi...	↳ An update on Virtio				↳ D-Wave's Software D...		↳ The future of Supervisor Binary Interface(SBI)
13:00	Managing VMs and Containers in a Deeply Integrated UI	Writing Network Drivers in High-Level Languages			Breaking Down Language Barriers	D-Wave Hybrid Framework	Controlling the Execution of Parallel Algorithms in Ada	
13:15								
		How a Connect-X device driver works						
13:30	Monitoring Kubernetes and Virtualization				The real cost of not doing user research		Persistence with Ada Database Objects	Alternative languages for safe and secure RISC-V programming
		VNF development made easy with netmap				What is IBMQ		
13:45								
14:00	Make Room! Make Room!			SailfishOS	Open Source Design in the trenches: a case study		Shrink your Data to (almost) Nothing with Trained Compression	
		ONOS Introduction						
14:15								How compact is compiled RISC-V code?
		Automation networking engine for enterprise SDN				Make your code count: Quantum simulations and collaborative code development		
14:30	Use kcli with all your virtualization solutions!				Our Open Source Design collective			
		A Scalable Approach to Virtual Switching						
14:45								FreeRTOS on RISC-V
15:00	High performance virtual machines in oVirt	VPP & Ligato use cases: Contiv/VPP CNI plugin for Kubernetes & IPSEC VPN gateway			Designing for Security		GSH: an Ada POSIX Shell to Speed Up GNU Builds on Windows	
15:15						Strawberry Fields - software for photonic quantum computing		
15:30	Speeding up the Booting Time of a Toro Appliance				Panel: Difficulties in having more designers participate in Open Source ↳		What is Safety-Critical Software, and How Can Ada and SPARK Help?	Lessons learned from porting HelenOS to RISC-V ↳
15:45		Northbound Connections of VPP for NFV in Containers and Kubernetes						
16:00	Apply complex network configuration to yo...	Building production-grade networking soft... ↳	Samba 4 self-compiling ↳			PennyLane - Automatic...	Secure Web Applications with AWA ↳	

	K.3.201	K.3.401	K.4.201	K.4.401	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)
	↳ Connecting .NET Core to D-Bus	↳ Embedded FreeBSD on...	Luerl: Lua in Erlang	↳ Wayland in IVI syst...	↳ GBForth: Using Fort...	↳ Improving LibreOffice quality together		↳ LibreOffice: the or...
13:00	Valkyrja and the tale of eating servers using C#	An Update on NetBSD		Greenfield: An in-browser Wayland compositor	Introduction to the BASIC Engine	Collabora Office on iOS		Redis Labs & the tragedy of the Commons Clause
			Never					
13:15	TypeScript-It's time to migrate!							
		KLEAK						
13:30	Interactive Computing with F# Jupyter		GWL: GNU Workflow Language	Complex cameras are (were?) complex		Preventing OOXML interoperability problems in LibreOffice		How should lawyers behave? Legal "Ethics" and Free Software
13:45					Preserving numerical algorithms			
14:00	Infrastructure as Typescript	FreeBSD Graphics	Perl 6 as a new tool for language compilers	AMENDMENT HDMI CEC: A Status Update		New interoperability, i18n and LibreLogo improvements of LibreOffice		
14:15					Making Open Source Hardware for Retrogaming on Raspberry Pi			
			Experience with wisp					
14:30	Why, and How, we compiled Xaml into IL			Writing X11/Wayland agnostic GL applications with Waffle		Mysql connector and other databases in LibreOffice		FOSS Governance: The good, the bad and the ugly
14:45		FreeBSD in Audio Studio	Building a whole distro on top of a minimalistic language					
15:00	.NET Core 2.1 in Production			A low latency GPU engine based reset mechanism for a more robust UI experience	The First Contact	Online - under the hood		Making Sense of so many License Compliance Tools
15:15			GNU Mes				MariaDB and MySQL — what statistics optimizer needs	
15:30	Medical image reconstruction using the .NET Framework	Migrating a Big Data Cluster from Linux to FreeBSD				Vereign toolbar in LibreOffice Online		
15:45							MySQL and the CAP theorem: relevance & misconceptions	
			Guile 3: Faster programs via just-in-time compilation ↴					
16:00	Intel® Hardware Intrinsics in .NET Core ↴			Flickerfree boot ↴	Profiling PHP applications ↴	Improving SmartArt import in LibreOffice ...		Who wants you to think nobody uses the AG...

	UB2.147	UB2.252A (Lameere)	UB4.132	UB5.132	UD2.119	UD2.120 (Chavanne)	UD2.208 (Decroly)	UD2.218A
					↳ Getting to Closer t...	↳ Hands on debugging with Delve	↳ Global Consent Manager	↳ Onion adventures
13:00		Use configmanagement for your ... configmanagement.	LPI Exam Session 1		Who needs pandoc when you have Sphinx?	Designing Command-Line Tools People Love	Project Things	Retroshare JSON API
13:15								
13:30		Mgmt Config: The Road to 0.1			To the future with Grav CMS	Go containers? Go serverless?		The New Internet
13:45							The State of Webassembly in 2019	
14:00		Configurations: Do you prove yours ?				gRPC, Protobufs and Go... OH MY!		Challenges With Building End-to-End Encrypted Applications - Learnings From EteSync
14:15							VR Map: WebXR with Real-World OSM Data	
14:30		Uyuni: A world-class open source frontend solution for managing your software-defined infrastructure ...				AI image search with Go & Tensorflow		The right to data portability (and why it's a very bad idea)
14:45							Inclusion Includes You	
15:00		Declare your Linux Network state!			A private cloud for everyone	When and How to use CGo		Enough: How journalism can benefit from free software
15:15							Automated Analysis of TLS 1.3	
15:30		Sysadmins, too, deserve interface stability	LPI Exam Session 2 ↴		AMENDMENT Who needs to know? Private-by-design collaboration	Building a Hardware MIDI Player		Nextcloud
15:45							How XR goes beyond demos and games	
					Tiki: Easy setup of wiki-based knowledge management system			
16:00		Pulp 3: Ready for a Test Drive ↴				Parallel programming in Go for performanc...		Dark Peak Data Co-op ↴

	UD2.Corridor	J.1.106
		↳ Apache Camel Meetup
13:00		MuseScore User and developer Meetup
13:15		
13:30		
13:45		
14:00		GNURadio BoF
14:15		
14:30		
14:45		
15:00		ZeroPhone meetup
15:15		
15:30		
15:45		
16:00		Kodi Meetup ↴

	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2111
	↳ Netflix and FreeBSD	↳ Hugepages and databases	↳ Eventyay! An event ...		↳ A walkthrough guide...		↳ How libre can you go?	
16:15								
			Open Software deserves Open Hardware		Build your own GC with OpenJDK in 20 minutes			
16:30						Ceph wire protocol revisited - Messenger V2	Migrating from Adobe Connect - the Victory of FOSS Over Proprietary Software	
16:45			The Skulls project - coreboot your Laptop					
					Making the JIT part of the cloud			
17:00	The TPM2 software community	PostgreSQL vs. fsync	bmclib: A Baseboard Management Controller library					
17:15						Challenges in Monitoring Distributed Storage Environment and how Tendrl addresses them		
			Maemo Leste		Tested for Business: An Open and Transparent Quality Kit			
17:30							ossia ecosystem workshop	
			Running Android on the Raspberry Pi					
17:45						What's new in DeepSea		
					Java Language Futures			
18:00	Mender - an open source OTA software update manager for IoT	Raft in Scylla	10 years of open source test case management					
18:15						Replicated SDS with DRBD & LINSTOR		
			Cloud Native Security 101		OpenJDK Governing Board Q&A			
18:30								
			AMENDMENT The brief case for User-space Network Stacks (DPDK ...					
18:45								
19:00								

	H.2213	H.2214	H.3242	H.3244	AW1.120	AW1.121	AW1.125	AW1.126
16:15	↳ Apply complex network configuration to your Kubernetes cluster hosts by declari...	↳ Building production-grade networking software with FD.io CSIT	↳ Samba 4 self-compiling		↳ Panel: Difficulties in having more desi...	↳ PennyLane - Automatic differentiation and machine learning of quantum computations	↳ Secure Web Applications with AWA	↳ Lessons learned fro...
								Updates from the RISC-V TEE Group
16:30	Real-time virtualization automation	Testing your infrastructure and services with the help of OPNFV testperf team			Mobile design with device-to-device networks			
16:45								
						Quantum Computing at Google and in the Cloud		
17:00	Securing Secure Boot on Xen	Are you insured against your noisy neighbor?	Nethserver		Dotting the ethics i and crossing the t		Distributed Computing with Ada and CORBA using PolyORB	
17:15		Introduction to dpdk-burst-replay						Using SAIL to generate GNU assembler/disassembler and simulator for RISC-V
17:30	XCP-ng: building an Open Source and turnkey virtualization platform	Enrich your NIC's capabilities with DPDK SoftNIC			The Yoast Design Meeting and how it started us on the path to open source design		Cappulada: Smooth Ada Bindings for C++	
17:45		From closed to Open Source switch ASICs				Promotion of open source and role of standardization in Quantum Computing		
18:00	rust-vmm				Making furniture with Javascript		The AZip Archive Manager: a full-Ada Open-Source Portable Application	Buildroot for RISC-V
18:15								
18:30	Virtual IOMMU Implementation using HW Nested Paging				Pitch your project	Exponential speedup in progress	Proof of Pointer Programs with Ownership in SPARK	Fedora on RISC-V 64-bit
18:45					Closing session		Informal Discussions & Closing	
19:00								

	K.3.201	K.3.401	K.4.201	K.4.401	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)
16:15	↳ Intel® Hardware Intrinsics in .NET Core	OpenBSD as a full-featured NAS system	↳ Guile 3: Faster programs via just-in-ti… / A Guiler's Year of Racket	↳ Flickerfree boot	↳ Profiling PHP applications	↳ Improving SmartArt import in LibreOffice Impress	How to create a useful MySQL bug report	↳ Who wants you to think nobody uses the AGPL and why
16:30	Reinventing MVC pattern for web programming with F#			What's new in the GPU virtual world?		Do you know "layers"?		Advocating For FOSS Inside Companies Redux
16:45			Fractalide and Cantor				How Online Backup works in MyRocks and RocksDB	
17:00	Tuning a Runtime for Both Productivity and Performance	ZFS Powered Magic Upgrades		V4L2: A Status Update	Working with Webhooks	Clang plugins in LibreOffice - global analyses across a large codebase		
17:15			Make your own language with Racket				TiDB: Distributed, horizontally scalable, MySQL compatible	
17:30	Panel: Open Source .NET		PipeWire			Native GTK Dialogs		The surprising interaction of open source and patent exhaustion
17:45		Walking through walls			Functions as a Service		MySQL Performance Schema in 20 Minutes	
18:00			Reducing Memory Usage of Mesa's Shader Compiler (Again)			Are we optimiert yet?		Organizer's Panel -- Now and Forever
18:15	.NET and TypeScript Lightning Talks					Text Mining with OpenOffice	MySQL 8.0 Component Infrastructure	
18:30		Rspamd integration into FreeBSD.org mail infrastructure		0 A.D: Graphics	AMENDMENT Async PHP Requests & Reactive Responses with PHP-FPM	Lightning Talks		
18:45							MySQL 8.0 Document Store: How to Mix NoSQL & SQL in MySQL 8.0	
19:00								

	UB2.147	UB2.252A (Lameere)	UB4.132	UB5.132	UD2.119	UD2.120 (Chavanne)	UD2.208 (Decroly)	UD2.218A
16:15		↳ Pulp 3: Ready for a Test Drive	↳ LPI Exam Session 2		Displaying other Application data into a Wiki	↳ Parallel programming in Go for performance with the Pargo library	Countless, Beautiful Contributions	↳ Dark Peak Data Co-op
16:30		Codifying infrastructure with Terraform for the future				The clusterfuck hidden in the Kubernetes code base		YunoHost
16:45					LibreOffice Online - hosting your documents		Speed without Shenanigans	
17:00						Embedded with Go: from an AWK prototype to a gokrazy appliance		Organisational Processes in Decentralized Software
17:15					AMENDMENT XWiki: a collaborative apps development platform			
							Yet Moar CSS Features	
17:30		Automate Kubernetes Workloads with Ansible				Tuning Go GC Parameters		ActivityPub panel
17:45								
18:00		How We Modified an Agent-based Automation System to Become an Agentless One			Memex: Collaborative Web-Research	How Kubernetes used gRPC to encrypt secrets with an external Key Management Service	Decentralizing the Web Despite Itself	
18:15					CubicWeb Linked Data Browser Extension			
18:30						Go Lightning Talks	When perf-html Met A11y	
18:45					Document Redaction with LibreOffice			
19:00								

	UD2.Corridor	J.1.106
		↳ Kodi Meetup
16:15		
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16:45		
17:00		Free Software on Mobile Devices
17:15		
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19:00		

	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2111
09:00	SSPL, Confluent License, CockroachDB License and the Commons Clause	Love What You Do, Everyday!	AMENDMENT Data services in a hybrid cloud world with Ceph		CANCELLED Best Practices for Building Scalable Blockchain Applications	JavaScript: If you love it, set it free	Asterisk WebRTC frontier: make client SIP Phone with sipML5 and Janus Gateway	
09:15								
09:30						Cross browser extensions	XMPP Beyond Instant Messaging	
09:45					Distributed ledgers finally brought me a usable digital identity!			
							Kamailio VoIP development update	
10:00	Solid: taking back the Web through decentralization	Tesla Hacking to FreedomEV!	Squeezing Water from Stone - KornShell in 2019			Using Progressive Web Apps to control IoT		
10:15			Environment Modules				Beyond the webrtc.org monoculture	
10:30					Etherlime: open source blockchain development tool	High end augmented reality using Javascript		
10:45			Console oriented services: wttr.in, cheat.sh, rate.sx				Breaking the 100 bits per second barrier with Matrix	
					An overview of Tezos focusing on On-Chain Governance			
11:00	The Current and Future Tor Project	Go on Microcontrollers: Small Is Going Big	Nuspell: the new spell checker			From jQuery to React		
11:15							Break the Messaging Silos with COI	
11:30			Metaprogramming with Nim		Hey, A Blockchain-Based Social Network	Developing data structures for JavaScript	Building Immersive Experiences with the Web	
11:45			Open Food Network		How to build your own Ethereum client			
12:00	Algorithmic Sovereignty and the state of community-driven open source development ↴	Fine-grained Distributed Application Monitoring Using LTTng ↴	OpenScore			AMENDMENT Free Open Source Corporate JavaScript Stacks ↴	Introduction to reSIProcate	
12:15					OpenGreffe ↴			

	H.2213	H.2214	H.3242	H.3244	AW1.120	AW1.121	AW1.125	AW1.126
09:00		NFS-Ganesha Weather Report			Intro to the Free Software Radio Track	What's new in the world of seL4	Gnucap -- The GNU circuit analysis package	Improve OSM data quality with DeepLearning
09:15	Understanding Source Code with Deep Learning				gr-soapy: A handy SDR hardware interface module for GNU Radio			
09:30		Leveraging ceph-mgr modules for fun and profit			GNU Radio with a Rusty FPGA		ngspice, current status and future developments	
09:45								3Geonames.org
	Suggesting Fixes during Code Review with ML	How we use Gluster				Microkernel virtualization under one roof		
10:00				VideoLAN BOF	Protect your bits: Introduction to gr-fec		openEMS - An Introduction and Overview	
10:15		The Container Storage Interface, Explained						Latest developments in Boost Geometry
10:30	Astor: An automated software repair framework				GNU Radio meets Scapy		Project Trellis and nextpnr	
10:45						A roadmap for the Hurd?		
11:00		What's new in Ceph Nautilus	Gluster FS	VLC Tech Meet	GNU Radio in 2019: Facts and Plans		Design Automation in Wonderland	
11:15	Code anomalies in Kotlin programs					A microkernel written in Rust: Porting the UNIX-like Redox OS to Armv8		Continuous Integration to compile and test Navit
11:30							Open source virtual prototyping for faste...	
11:45	Predicting areas for PR Comments based on Code Vectors & Mailing List Data ↴	OpenEBS asymmetric block layer in user-space breaking the million IOPS barrier			libsigmf: Human Tools for Extra-Terrestrial and AI Radios ↴		Lesson learned from Retro-uC and search f...	Linking OpenStreetMap and Wikidata
12:00				Terraform and Infrastructure Testing ↴			Fritzing - the past, the present and the future ↴	
12:15						Hands-on composition of basic L4Re components ↴		

	K.3.201	K.3.401	K.4.201	K.4.401	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)
09:00		AMENDMENT Packaging for Mageia Linux with Docker containers	Roll your own compiler with LLVM			openSUSE Kubic for Container People	RAPIDS	
09:15								
09:30					Using getdns for local DNSSEC validation	An operator centric way to update application containers with AtomFS		
09:45			Rewriting Pointer Dereferences in bcc with Clang				OpenHPC Update	
10:00		Linux distributions, lifecycles, and containers		Raspberry Pi history, tips and use case				AMENDMENT Around the world with Postgres extensions
10:15					How and why (not) to use the 127.0.0.53 nameserver, systemd-resolved and resolvctl	Containers with Different Security Modules	CK: an open-source framework to automate, reproduce, crowdsource and reuse experiments at HPC confere...	
10:30	ElasticSearch Correctness and perfOrmance Validator		Building an LLVM-based tool	Will you boot Haiku, on a non intel platform, no BIOS winter?		Upcoming Kubernetes Storage features		
10:45		GRUB upstream and distros cooperation			Stories from BIND9 refactoring		Couple scientific simulation codes with preCICE	
11:00	Learning to Rank			U-Boot from Scratch		Firecracker, should it work only with a single runtime?		Hacking PostgreSQL
11:15		Package software for any distribution with upt	Debug info in optimized code - how far can we go?		DNS and the Internet's architecture: the DoH dilemma		ReFrame: A Regression Testing and Continuous Integration Framework for HPC systems	
11:30				Linux and USB Audio Class 3				
11:45						A year of Container Kernel Work	Reproducible science with containers on HPC through Singularity	
12:00	From table to index (and back) with Hibernate Search 6 ↴	openSUSE Kubic for Distro People ↴	Lessons in TableGen ↴	UEFI Boot for Mere Mortals ↴	DNS Privacy panel ↴			What's new in PostgreSQL 11 ↴
12:15						Real-time container a...	Nakadi: Streaming Eve...	

	UB2.147	UB2.252A (Lameere)	UB4.132	UB5.132	UD2.119	UD2.120 (Chavanne)	UD2.208 (Decroly)	UD2.218A
09:00	Quantum Computing Workshop ↴	Devroom intro		Community DevRoom Welcoming Remarks	Welcome	Beyond the 10%: analysis of the gender-diversity gap	RustPython: a Python implementation in Rust	
09:15		Grafana 6.0		Supporting FOSS Community Members with Impostor Syndrome	Approaching Light Speed - News from the Eclipse Platform Project			
09:30			LPI Exam Session 3			Discover GraphQL with Python, Graphene and Odoo	What is Rust doing behind the curtains?	Open source software security testing
09:45				Companies and Communities	From Oracle to Apache - News from Apache NetBeans			
10:00		Augmented Network Visibility with High-Resolution Metrics				How to write pylint plugins		TLS 1.3: what developers should know about the APIs
10:15				The Open Source Community: its past and future	Tooling for IntelliJ Platform Plugins		RustPräzi: a tool to build an entire call graph of crates.io	
10:30		Critical Path Analysis				Mastering Application/Service Configuration		Russian crypto algorithms in the OpenSource world
10:45					GraalVM: Polyglot Development Platform with Great Toolability		Beyond The First Steps	
11:00				Improve your project's on-ramps for new participants		Demystifying Coroutines and Asynchronous Programming in Python		The new EU CyberSecurity Act
11:15		On Observability						
11:30				Community Data is Not Community Metrics	Embracing Language Servers for Blockchain Development	Tree matchings with Behavior Trees		Tracking users with core Internet protocols
11:45							Sans IO: safe and testable network protocols ↴	
12:00		Loki - Prometheus for logs	LibreOffice Exam Session 1 ↴	Building a Community Metrics Strategy ↴	Tools for Shrinking Your Containers	Making your Python code write your Python code ↴		How to prevent cryptographic pitfalls by design ↴
12:15								

	UD2.Corridor	J.1.106
09:00		
09:15		
09:30		
09:45		
10:00		FreedomBox Meetup
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11:00		Replicant Meetup ↴
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12:00		
12:15		

FOSDEM 2019 - Sunday 2019-02-03 (6/15)

	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2111
12:30	↳ Algorithmic Sovereignty and the state of community-driven open source development	↳ Fine-grained Distributed Application Monitoring Using LTTng	0 A.D., a libre real-time strategy game		↳ OpenGreffe	↳ AMENDMENT Free Open… / PWA caching strategies	Asterisk 16: What's new in the world of Asterisk	
12:45			Debian Java: Insights and challenges				Building a Multi-Node SIP Platform Using OpenSIPS	
13:00	Open Source at DuckDuckGo	eBPF powered Distributed Kubernetes performance analysis	Automating Client Library Generation		HWallet: The simplest Bitcoin hardware wallet	Less painful E2E tests with Cypress.io		
13:15			Introducing DBus-ASIO				Going mobile with React Native and WebRTC	
13:30					P4: Private Periodic Payments Protocol	JavaScript for open computing education	Artificial Intelligence, Fuzzing and WebRTC using Janus	
13:45			Neuropil - Secure Interaction for Things					
14:00	Crostini: A Linux Desktop on ChromeOS	Perl 11	AMENDMENT Theo: The Authorized Keys Manager		Protecting Secrets with Hardware	Bring JavaScript to the Internet of Things	Converse: Open, federated teamchat with XMPP	
14:15			TRex		Sustain in Open Source with Gitcoin		Unified Communications with Pàdé	
14:30						Hacking NodeJS applications for fun and profit		
14:45			Next Generation Internet initiative - Year Zero		the current and future state of Ethereum		HOMER RTC Stats	
15:00	Open Source C#, .NET, and Blazor - everywhere PLUS WebAssembly ↴	Making the next blockbuster game with FOSS tools ↴	Add enterprise 2FA to your ownCloud in 15 minutes			Testing GraphQL in your JavaScript application		
15:15			LemonLDAP::NG 2.0		The DAO of Bisq ↴		VoIP Troubleshooting and Monitoring with SIP3	
15:30						Web Components are the future. And the fu…		

Time	H.2213	H.2214	H.3242	H.3244	AW1.120	AW1.121	AW1.125	AW1.126
	↳ Predicting areas for PR Comments based ...			↳ Terraform and Infrastructure Testing	↳ libsigmf: Human Tools for Extra-Terrest...	↳ Hands-on composition of basic L4Re components	↳ Fritzing - the past...	
12:30	Deduplication on large amounts of code	Clustered Samba: Witness Protection Programming			SDR Makerspace		KiCad Project Status	GraphHopper Routing Engine - New Features
12:45								
13:00		Ceph storage with Rook	Riot OS	Arch Linux Meetup	Digital Predistortion	Unikraft: Unikernels Made Easy	Drawing PCBs with Inkscape	Hikar - Augmented reality for hikers
13:15	Neural commit message suggester						The Kitspace BOM Builder	
13:30		Gluster Container Storage			Equinox: A C++11 platform for realtime SDR applications		horizon EDA - what's new	Hundred thousand rides a day
13:45	Mining Source Code^3					Hardware/Software Co-Design for Efficient Microkernel Execution		
14:00			Podcast Friends of IllumOS		An End-to-End LTE Testbed in Three Clicks		From the idea to the prototype using FLOSS	
14:15								Open Source Geolocation
14:30	Coming: a Tool for Mining Change Pattern Instances from Git Commits	Managing and Monitoring Ceph with the Ceph Manager Dashboard			Spoofing GPS	Solo5: A sandboxed, re-targetable execution environment for unikernels	The Software Developer's Guide to Open Source Hardware	
14:45								OpenStreetMaps for emergency prep: The view from San Francisco
15:00			Lua ↴	Tor relay operators meetup ↴	The Dwingeloo radio telescope goes SDR		Pocket Science Lab - An Open Source Hardware for Electronics Teaching & Learning	
15:15	How to build an automatic refactoring and migration toolkit ↴	SMB2 POSIX Extensions ↴						OpenTrailView 360 ↴
15:30					Performing Low-cost Electromagnetic Side-...	AMENDMENT Microkernel lightning talks ↴	Open Source Hardware for Smart City ↴	

	K.3.201	K.3.401	K.4.201	K.4.401	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)
	↳ From table to index...	↳ openSUSE Kubic for Distro People	↳ Lessons in TableGen	↳ UEFI Boot for Mere Mortals	↳ DNS Privacy panel	↳ Real-time container automation and scheduling	↳ Nakadi: Streaming E...	↳ What's new in PostgreSQL 11
12:30	A Deepdive into Tantivy			AMENDMENT CI/CD for embedded development with an ESP8266, Arduino-cli, Gitlab-ci, Raspberry Pi, and Kubernetes	ID4me: using the DNS as a directory for identities		MALT & NUMAPROF, Memory Profiling for HPC...	
12:45			LLVM for the Apollo Guidance Computer				Setting up an HPC lab from scratch	
		Portable Services are Ready to Use				A follow-up on LTTng container awareness	Feature store: A Data Management Layer fo...	
13:00				Open Source Firmware at Facebook	Flamethrower		The state of machine learning operations ...	Deploying PostgreSQL on Kubernetes
13:15						A containerd project update	The convergence of HPC and BigData	
13:30	Apache Lucene and Apache Solr 8		llvm.mix	Zink	Dynamic answer generation with Lua			
13:45		Homebrew 2.0.0				Kubernetes Network Security Demystified	Introducing Kubeflow	
14:00	Super-speedy scoring in Lucene 8			One image to rule them all	Is a single DNS vendor enough?			Breaking PostgreSQL at Scale
14:15		Set-versioned package dependencies	SMT-Based Refutation of Spurious Bug Reports in the Clang Static Analyzer			A year of LXD development	Validating Big Data Jobs	
14:30	Lucene Upgrade in Jira 8.0			Pocket Science Lab			From Zero to Portability	
14:45					DNS as code with octodns	Rootless Kubernetes		
		FreeIPA and cross-distribution packaging experience						
15:00	Rated Ranking Evaluator: an open-source approach for Search Quality Evaluation ↴		What makes LLD so fast?	Porting U-Boot to a Modular Device		A new approach to container isolation with Nabla	Speeding up Programs with OpenACC in GCC	Data Modeling, Normalization and Denormalization ↴
15:15				DNSSEC security without maintenance				
15:30				Microcontroller Firmware from Scratch ↴			Streaming Pipelines for Neural Machine Tr...	

	UB2.147	UB2.252A (Lameere)	UB4.132	UB5.132	UD2.119	UD2.120 (Chavanne)	UD2.208 (Decroly)	UD2.218A
	↳ Quantum Computing Workshop ↴		↳ LibreOffice Exam Session 1	↳ Building a Community Metrics Strategy		↳ Making your Python …	↳ Sans IO: safe and t…	↳ How to prevent cryp…
12:30		Latency SLOs done right			Time is Important - Developer Centric IoT Platforms	Memory Management in Python	Introducing rust-prometheus	USB borne attacks and usable defense mechanisms
12:45				Sustaining FOSS Projects By Democratizing The Sponsorship Process				
13:00					Adding Support for a New Language in the Eclipse IDE	Pyodide: scientific Python stack compiled in WebAssembly		No evidence of communication and implementing a protocol: Off-the-Record protocol version 4
13:15		M3 and a new age of metrics and monitoring in an increasingly complex world		Hackers gotta eat			Profiling Rust	
13:30			LibreOffice Exam Session 2			Computer Games with MicroPython		RecordFlux: Facilitating the Verification of Communication Protocols
13:45				Consorting with Industry	Taming The Dinosaur: How Eclipse was Performance Tuned		Rust and GNOME	
14:00		Privacy-preserving monitoring of an anonymity network				Extending Numba		CHIPSEC on non-UEFI Platforms
14:15					PraxisLIVE: Hybrid Visual Live Programming		gtk-rs: newest and future developments	
14:30		Using eBPF for Linux Performance Analyses		Back From the Dead		Extending syslog-ng in Python		Base64 is not encryption
14:45					Quick & Easy Desktop Development with NetBeans and its HTML/JAVA API		GObject subclassing in Rust for extending GTK+ & GStreamer	
15:00			LibreOffice Exam Session 3 ↴	Coaching for Open Source Communities 2.0		Text Markup to PDF with Python		What are your users kubectl-ing into your Kubernetes cluster?
15:15		Thanos - Transforming Prometheus to a Global Scale in a Seven Simple Steps			Java 4..12, Kotlin, Code Coverage and their best friend — bytecode: scandals, int…			
15:30				Towards a sustainable solution to open so…		Compute the QOS of your infrastructure wi…		Scale Your Auditing Events ↴

	UD2.Corridor	J.1.106
		↳ Replicant Meetup
12:30		
12:45		
13:00		TinyGo BoF
13:15		
13:30		
13:45		
14:00	PGP Keysigning ↳	sr.ht meetup
14:15		
14:30		
14:45		
15:00		sway/wlroots meetup ↳
15:15		
15:30		

	Janson	K.1.105 (La Fontaine)...	H.2215 (Ferrer)	H.1301 (Cornil)	H.1302 (Depage)	H.1308 (Rolin)	H.1309 (Van Rijn)	H.2111
15:45	↳ Open Source C#, .NET, and Blazor - ever...	↳ Making the next blockbuster game with F...	Monica, a personal CRM		↳ The DAO of Bisq	↳ Web Components are the future. And the future is now!	Fraud mitigation using traffic pattern monitoring with CGRateS	
					Substrate			
16:00	The Cloud is Just Another Sun	SUSI.AI: An Open Source Platform for Conversational Web	Good Will Snapping			Making furniture with Javascript		
							Make XMPP Sprint Again	
16:15								
			LAVA federated testing		Hyperledger Fabric - Blockchain for the Enterprise			
16:30						BinAST		
			FOSDEM infrastructure review					
16:45								
17:00	2019 - Fifty years of Unix and Linux advances							
17:15								
17:30								
17:45								
		Closing FOSDEM 2019						
18:00								

	H.2213	H.2214	H.3242	H.3244	AW1.120	AW1.121	AW1.125	AW1.126
15:45	↳ How to build an automatic refactoring a...	↳ SMB2 POSIX Extensions	↳ Lua	↳ Tor relay operators meetup	↳ Performing Low-cost Electromagnetic Side-channel Attacks using RTL-SDR and Neur...	↳ AMENDMENT Microkernel lightning talks	↳ Open Source Hardware for Smart City	↳ OpenTrailView 360
16:00	Smelling Source Code Using Deep Learning	Exporting Ceph Object Storage data to the outside world	Jenkins project continuous delivery	Sharing CI infrastructure on FOSS Projects	Decoding Meteor-M2: QPSK, Viterbi, Reed Solomon and JPEG	Operating System hardening : Dealing with external interrupts	Building open source scientific equipment	Spatial Reference Systems Transformations with Boost.Geometry
16:15		Storing "Lots Of Small Files" in a Swift cluster						
16:30					Flushing the Delay Line	The impact of Meltre and Specdown on microkernel systems (*)	FST-01SZ (Flying Stone Tiny 01 revision ShenZhen)	VR Map: Putting OpenStreetMap Data Into a WebVR World
16:45								
17:00								
17:15								
17:30								
17:45								
18:00								

	K.3.201	K.3.401	K.4.201	K.4.401	K.4.601	UA2.114 (Baudoux)	UA2.118 (Henriot)	UA2.220 (Guillissen)
15:45	↳ Rated Ranking Evaluator: an open-source...	Distribution build / delivery styles, one style to rule them all ?	Compiling the Linux kernel with LLVM tools	↳ Microcontroller Firmware from Scratch	Documenting Validator Requirements	Introducing kubectl-trace	↳ Streaming Pipelines for Neural Machine Translation	↳ Data Modeling, Normalization and Denorm...
16:00	CANCELLED Full-text Search Tips and Tricks			KernelCI: a new dawn			Deep Learning on Massively Parallel Processing Databases	Latest evolution of Linux IO stack, explained for database people
16:15					Revoking the 2010 DNSKEY	A quick update on singularity 3.0		
16:30		GNU Guix's take on a new approach to software distribution	It was working yesterday! Investigating regressions with llvmlab bisect	Redfish: the new standard for a Software Defined Infrastructure	Testing Over 1000 gTLDs for EDNS0	Writing a CNI - as easy as pie	Condition Monitoring & Transfer Learning	
16:45								
17:00								
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18:00								

	UB2.147	UB2.252A (Lameere)	UB4.132	UB5.132	UD2.119	UD2.120 (Chavanne)	UD2.208 (Decroly)	UD2.218A
15:45	↳ Quantum Computing Workshop		↳ LibreOffice Exam Session 3	↳ Towards a sustainable solution to open source sustainability	↳ Java 4..12, Kotlin, Code Coverage and t...	↳ Compute the QOS of your infrastructure with DEPC	Call C++ from Rust with the cpp crate	↳ Scale Your Auditing Events
		Deep Dive: Kubernetes Metrics with Prometheus						
16:00					Extend Emacs in C or Other Languages	Salut à Toi: A Python Based Social Network And More		Fighting spam for fun and profit
16:15				"Collaboration in Open Source Is the Better Way"			Containing the RDMA plasma	
16:30		Real-time merging of ...			Profiling Low-End Platforms using HawkTracer Profiler	Solving Polynomial Systems in Python		Consistent PKCS#11 in Operating Systems
		Let's use centralized...						
		Writing Asynchronous ...		Community DevRoom Concluding Remarks				
16:45		SAYMON - object-orien...						
		slapdcheck						
17:00								
17:15								
17:30								
17:45								
18:00								

	UD2.Corridor	J.1.106
	↳ PGP Keysigning	↳ sway/wlroots meetup
15:45		
16:00		OpenHMD Community meeting
16:15		
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