

Session Program

5-7 Oct 2026



Linux Plumbers Conference 2026

Toolchains Track

Monday 5 October

10:00

Toolchains Track

Session | **Location:** Prague Congress Centre, "South Hall 1 B"

10:00–10:30 Security Features status update

Speakers

Justin Stitt, Kees Cook

10:30–11:00 Compiler-Based Context Analysis for Compile-Time Lock Safety

Speaker

Marco Elver

11:00–11:30 BPF support in the GNU Toolchain

Speakers

Cupertino Miranda, David Faust, Jose E. Marchesi, Vineet Gupta

11:30–12:00 Coffee Break

12:00–12:30 Are your types the same as mine?

Speaker

Kris Van Hees

12:30–13:00 Towards real-time ABI compatibility assurance with libctf

Speaker

Nick Alcock

13:00–13:30 Adding C library wrappers for all Linux syscalls - The Return

Speaker

Mr Carlos O'Donnell

13:30–15:00 Lunch Break

15:00–15:30 Kernel module support for PGO AutoFDO and Propeller

Speaker

Rong Xu

15:30–16:00

Upgrading Runtime Leaks to Compile-Time Errors: Adopting Clang's `require_explicit_initialization`

Speaker

Ian Rogers

16:00–16:30 Kage: device driver isolation in the Linux kernel with LFI

Speaker

Zachary Yedidia

16:30–17:00 Coffee Break

17:00–17:30

Crossing borders between user space and kernel space: GDB/Valgrind/drgn close cooperation**Speaker**

Alexandra Petlanova Hajkova

17:30–17:45

GCC Rust support for Linux**Speaker**

David Edelsohn

17:45–18:00

Beyond Coverage: Per-Task Function Boundary Extraction for Kernel Contract Verification**Speaker**

Mr Yunseong Kim

18:30