

Session Program

Aug 24 - 28, 2020

Linux Plumbers Conference 2020

LPC Refereed Track

Mon, August 24

7:00 AM

LPC Refereed Track

Session | **Location:** LPC Virtual, Refereed Track/Virtual-Room

7:45 - 8:00 AM **Break (15 minutes)**

8:00 - 8:45 AM **Configuring a kernel for safety critical applications**

Speaker

Dr Elana Copperman

8:45 - 9:00 AM **Break (15 minutes)**

9:00 - 9:45 AM **Core Scheduling: Taming Hyper-Threads to be secure**

Speakers

Vineeth Remanan Pillai, Julien Desfossez, Joel Fernandes

9:45 - 10:00 AM **Break (15 minutes)**

10:00 - 10:45 AM **Data-race detection in the Linux kernel**

Speaker

Marco Elver

11:30 AM

Tue, August 25

7:00 AM

LPC Refereed Track

Session | **Location:** LPC Virtual, Refereed Track/Virtual-Room

7:00 - 7:45 AM **Write once, herd everywhere**

Speaker

Boqun Feng

7:45 - 8:00 AM **Break (15 minutes)**

8:00 - 8:45 AM **Desktop Resource Management (GNOME)**

Speaker

Benjamin Berg

8:45 - 9:00 AM **Break (15 minutes)**

9:00 - 9:45 AM **Morello and the challenges of a capability-based ABI**

Speaker

Kevin Brodsky

9:45 - 10:00 AM **Break (15 minutes)**

10:00 - 10:45 AM

Recent changes in the kernel memory accounting (or how to reduce the kernel memory footprint by ~40%)

Speaker

Mr Roman Gushchin

11:30 AM

Wed, August 26

7:00 AM

LPC Refereed Track

Session | **Location:** LPC Virtual, Refereed Track/Virtual-Room

7:00 - 7:45 AM **Kernel Address Space Isolation**

Speaker

Alexandre Chartre

7:45 - 8:00 AM **Break (15 minutes)**

8:00 AM

Fri, August 28

7:00 AM

LPC Refereed Track

Session | **Location:** LPC Virtual, Refereed Track/Virtual-Room

8:00 AM

7:00 - 7:45 AM **A theorem for the RT scheduling latency (and a measuring tool too!)**

Speaker

Daniel Bristot de Oliveira