

## Linux Plumbers Conference 2025



Contribution ID: 496

Type: **not specified**

# Graceful Performance Management for Non-Linux Co-Processors in Modern SoCs

*Friday 12 December 2025 18:00 (20 minutes)*

Modern SoCs ship with an increasing number of specialized co-processors that do not run Linux: modems, NPUs, GPUs, DSPs, and video accelerators, to name a few. While Linux typically controls the overall system power and performance policy, these co-processors often have their own firmware, internal performance states, and vendor-specific control interfaces. We want to explore how Linux systems can coordinate performance management of such co-processors to ensure thermal stability.

**Primary author:** KUCHERIA, Amit

**Presenter:** KUCHERIA, Amit

**Session Classification:** Power and Thermal management MC

**Track Classification:** Power and Thermal management MC