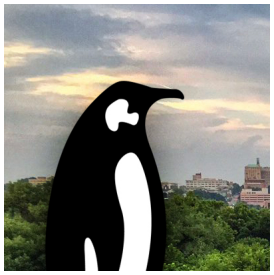

Contribution ID: **153** Type: **not specified**

Virtualized Frequency Control for Telco Workloads

Tuesday, November 14, 2023 4:15 PM (15 minutes)

Packet processing workloads and software applications that are polling in nature bypass the typical kernel power governors. As these workloads are polling they appear 100% utilized and results in zero power savings. This solution implements a user space power governor that has visibility of the “real” workload utilization and triggers power savings. The presentation will review key components required such as virtio-serial and intel_pstate drivers.
We know there are efforts to virtualize frequency control, the goal is how to harmonize all efforts to one solution.

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Session Classification: Power Management and Thermal Control MC

Track Classification: LPC Microconference: Power Management and Thermal Control MC