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Power Management and Thermal Control MC

The Power Management and Thermal Control microconference focuses on frameworks related to power management and thermal control, CPU and device power-management mechanisms, and thermal-control methods. In particular, we are interested in extending the energy-efficient scheduling concept beyond the energy-aware scheduling (EAS), improving the thermal control framework in the kernel to cover more use cases and making system-wide suspend (and power management in general) more robust.

The goal is to facilitate cross-framework and cross-platform discussions that can help improve energy-awareness and thermal control in Linux.

Suggested topics:

- Energy-efficient scheduling beyond EAS (Len Brown).
- Per-CPU idle injection from user space for thermal control (Srinivas Pandruvada).
- A generic energy model description (Daniel Lezcano).
- Extending the DTPM framework by adding more supported devices to it (Daniel Lezcano).
- Thermal control core code improvements (Daniel Lezcano, Rafael Wysocki).
- Combining DTPM with the thermal control framework (Daniel Lezcano).
- Generic DVFS support for SCMI-based platforms (Ulf Hansson).
- Improving the genpd governor for CPUs (Ulf Hansson).
- More integration between PM-runtime and system-wide PM (Rafael Wysocki).

More topics will be added based on CFP for this microconference.

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Track Classification: LPC Microconference Track (CLOSED)