



Modular Power Orchestration at the Meso-scale

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Challenge: Power is a dynamic system resource to be allocated and distributed among diverse modules. Doing so at the meso-scale demands flexibility, resilience, and efficiency; yet current solutions are often static, brittle, and myopic, lacking global coordination and timely adaptation across system components.

Solution:

- A principled and layered approach
- Leverage cross-layer coordination
- Evaluate mission-level end-to-end performance through a holistic view

Impacts:

- Modeling tools, simulation infrastructure, and experimentation platform
- Educational resources and opportunities

MesoPower: A Layered Approach to Power Orchestration

