



*Vortrag im Rahmen des Seminars*

## **Forschungskolloquium | Research Seminar**

Autor:

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Titel:

**"Informed Energy Policy Requires More Modeling and Fewer Models"**

Abstract:

Energy policymaking face shifting objectives, surging demand, and intensifying weather stress, yet they still rely on static, fragmented models and inconsistent data which yield nominal optima that underperform in practice. Furthermore, many stakeholders involved in policymaking also lack the capacity to run and maintain even the lean tools. This talk argues for more modeling, not more models: transparent, scenario-driven workflows backed by maintained, high-resolution datasets that link various input data to system simulations to produce decision-relevant evidence. We describe a PJM-centric approach that keeps use simple, while putting cutting-edge data, models, and algorithms under the hood. We present methods and case studies that turn ambiguity into actionable plans for resource adequacy, data-center integration, transmission investment, and affordability, enabling feasible, defensible choices under uncertainty when "optimal" is unknowable.