

# Control of energy management systems taking uncertainties into account

Energy management systems (EMS) are used for the control of electricity and heating networks and are intended to allow a cost-efficient operation of the systems involved by using forecasts. Due to the increasing use of renewable energy sources, a deterministic control approach for the operation of an EMS is no longer sufficient. The same applies to a growing demand for system reliability, which is demanded for the control strategies. This project will investigate ways in which the statistical properties of the uncertainties can be taken into account and how this can contribute to the improved and, above all, more robust operation of an EMS.

Scientific Partner:

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