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Stochastic optimal scheduling of distributed energy resources with renewables considering economic and environmental aspects

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- Stochastic operation scheduling of DER with renewables is presented
- Multi-objective optimization is developed considering economic and environmental aspects
- Optimal operation scheduling is obtained under energy demand and supply uncertainty
- Trade-off solutions are found for operators based on economic and environmental priorities
- A significant reduction of energy costs and CO₂ emissions is attained through the operation method

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