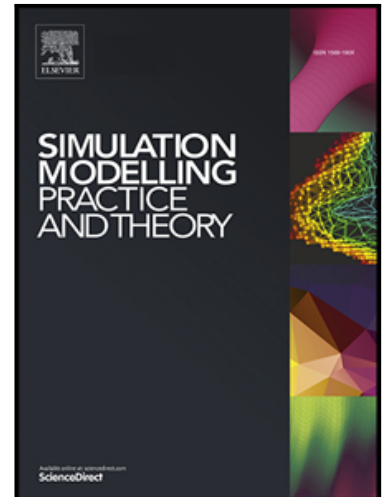


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Development of a Tool for Urban Microgrid Optimal Energy Planning and Management

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Highlights:

- *PV power and load uncertainties are analyzed.*
- *Artificial neural networks are applied for PV power and load day ahead forecasting.*
- *A probabilistic method is proposed to calculate OR with a desirable risk level.*
- *OR is dispatched in a microgrid powered by MGTs and PV AGs including storages.*
- *A freeware “Urban Microgrid Simulator” is developed.*

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