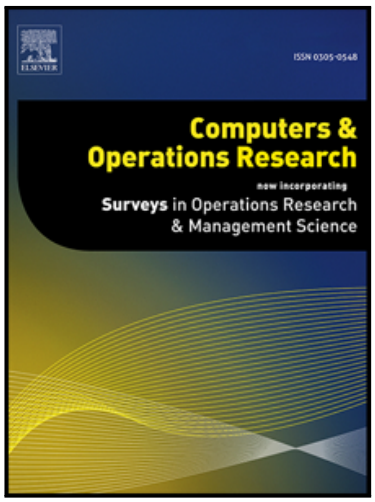

Robust Gateway Placement in Wireless Mesh Networks

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Highlights

- We study the joint gateway placement, routing, and transmission slot allocation problem of wireless mesh networks.
- We propose alternative mixed integer linear programming formulations and valid inequalities to decrease solution times.
- We present additional steps to make the network more resistant to demand forecasting errors.
- We employ the k-opt local search heuristic to obtain more robust gateway sets.