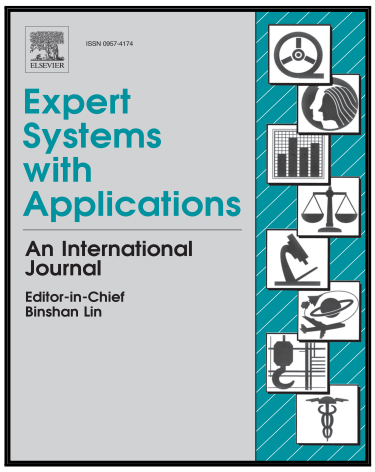

The Smart Waste Collection Routing Problem: alternative operational management approaches

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Highlights

- The Smart Waste Collection Routing Problem is introduced.
- Sensors provide real-time bins' fill-levels, used to define dynamic routes.
- Three approaches are studied to deal with the real-time information.
- A model to choose bins to visit considering fill-levels and locations is proposed.
- Collecting the more attractive bins improves the operation efficiency.