Accepted Manuscript

A Hybrid Genetic Algorithm for a Home Health Care Routing Problem with Time Window and Fuzzy Demand

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PII:S0957-4174(16)30685-6DOI:10.1016/j.eswa.2016.12.013Reference:ESWA 11022

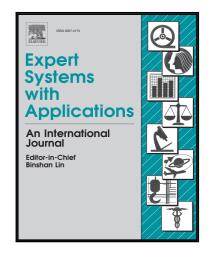
To appear in:

Expert Systems With Applications

Received date:22 July 2016Revised date:4 December 2016Accepted date:8 December 2016

Please cite this article as: Yong Shi, Toufik Boudouh, Olivier Grunder, A Hybrid Genetic Algorithm for a Home Health Care Routing Problem with Time Window and Fuzzy Demand, *Expert Systems With Applications* (2016), doi: 10.1016/j.eswa.2016.12.013

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Highlights

- The uncertain quantity of drugs for patients in home health care service is considered.
- A fuzzy chance constraint programming for vehicle scheduling problem is proposed.
- A hybrid genetic algorithm integrated with stochastic simulation method is designed.
- 3 series of experiments are conducted to test the efficiency of the algorithm.
- Cost changes for difference value of Dispatcher Preference Index are discussed.

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