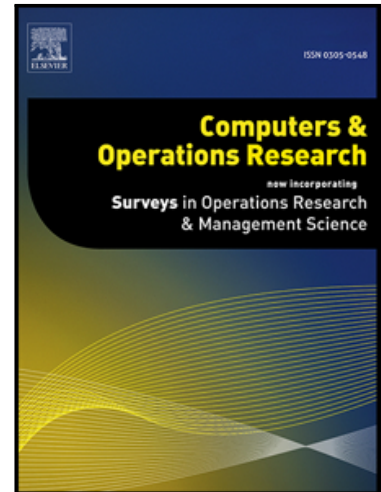


Accepted Manuscript

Efficient simulated annealing based solution approaches to the competitive single and multiple allocation hub location problems

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PII: S0305-0548(17)30253-8
DOI: [10.1016/j.cor.2017.09.022](https://doi.org/10.1016/j.cor.2017.09.022)
Reference: CAOR 4334



To appear in: *Computers and Operations Research*

Received date: 3 October 2016
Revised date: 20 September 2017
Accepted date: 21 September 2017

Please cite this article as: Nader Ghaffarinasab, Alireza Motallebzadeh, Younis Jabarzadeh, Bahar Y. Kara, Efficient simulated annealing based solution approaches to the competitive single and multiple allocation hub location problems, *Computers and Operations Research* (2017), doi: [10.1016/j.cor.2017.09.022](https://doi.org/10.1016/j.cor.2017.09.022)

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Highlights

- Competitive single and multiple allocation hub location problems are addressed.
- New MIP models are proposed for the leader and follower under both allocation schemes.
- Efficient simulated annealing (SA) heuristics are proposed for solving the problems.
- Problem is extended to accommodate more general capture mechanisms.
- Extensive computational experiments are conducted for the considered problems.

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