Accepted Manuscript

Stochastic Project Scheduling with Hierarchical Alternatives

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PII:S0307-904X(17)30566-8DOI:10.1016/j.apm.2017.09.015Reference:APM 11960

To appear in: Applied Mathematical Modelling

Received date:19 February 2017Revised date:2 August 2017Accepted date:4 September 2017

Please cite this article as: Sha Tao, Changzhi Wu, Zhaohan Sheng, Xiangyu Wang, Stochastic Project Scheduling with Hierarchical Alternatives, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.09.015

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Highlights

- We investigate a project scheduling problem with hierarchical alternative methods and uncertain activity durations.
- The general mathematical model and the corresponding chance constraint model are formulated.
- A metaheuristic combining sampling average approximation with artificial algae algorithm is developed.
- Experimental results show that the proposed method outperforms GA.

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