

Accepted Manuscript

Balancing stochastic parallel assembly lines

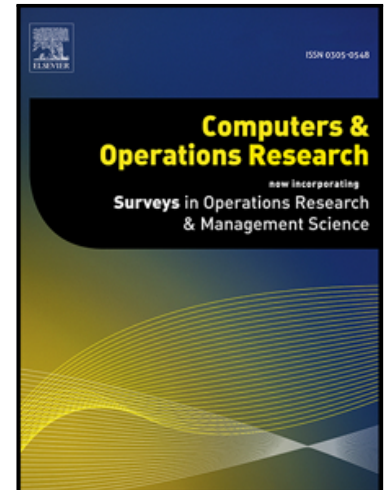
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PII: S0305-0548(18)30119-9
DOI: [10.1016/j.cor.2018.05.006](https://doi.org/10.1016/j.cor.2018.05.006)
Reference: CAOR 4469

To appear in: *Computers and Operations Research*

Received date: 22 July 2017
Revised date: 13 March 2018
Accepted date: 7 May 2018

Please cite this article as: Uğur Özcan , Balancing stochastic parallel assembly lines, *Computers and Operations Research* (2018), doi: [10.1016/j.cor.2018.05.006](https://doi.org/10.1016/j.cor.2018.05.006)



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Highlights:

- Stochastic parallel assembly lines are considered.
- The problem of balancing parallel assembly lines with stochastic task times is introduced and characterised for the first time.
- A chance-constrained, piecewise-linear, mixed integer programming formulation is proposed to the problem.
- A tabu search algorithm is developed to the problem.
- Proposed TS algorithm is evaluated on a set of newly generated benchmark problems.

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