

## Accepted Manuscript

Integrated production, quality control and condition-based maintenance for imperfect production systems

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PII: S0951-8320(17)31142-0  
DOI: [10.1016/j.ress.2018.03.025](https://doi.org/10.1016/j.ress.2018.03.025)  
Reference: RESS 6109



To appear in: *Reliability Engineering and System Safety*

Received date: 21 September 2017  
Revised date: 16 March 2018  
Accepted date: 22 March 2018

Please cite this article as: Guo Qing Cheng , Bing Hai Zhou , Ling Li , Integrated production, quality control and condition-based maintenance for imperfect production systems, *Reliability Engineering and System Safety* (2018), doi: [10.1016/j.ress.2018.03.025](https://doi.org/10.1016/j.ress.2018.03.025)

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**Highlights:**

- We study the joint design of production, quality and maintenance control policies.
- The production system is subject to both reliability and quality deteriorations.
- Both the condition monitoring and the quality information feedback are incorporated into the maintenance decision-making process.
- A simulation-based optimization approach is proposed to solve the complex stochastic problem.

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