### **Accepted Manuscript**

The Role of Risk Preferences in a Multi-Target Defender-Attacker Resource Allocation Game

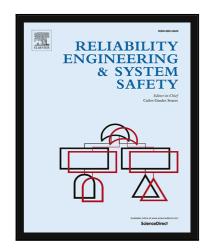
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PII: S0951-8320(17)30158-8 DOI: 10.1016/j.ress.2017.08.002

Reference: RESS 5917

To appear in: Reliability Engineering and System Safety

Received date: 7 February 2017 Revised date: 24 July 2017 Accepted date: 1 August 2017



Please cite this article as: Jing Zhang, Jun Zhuang, Victor Richmond R. Jose, The Role of Risk Preferences in a Multi-Target Defender-Attacker Resource Allocation Game, *Reliability Engineering and System Safety* (2017), doi: 10.1016/j.ress.2017.08.002

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#### ACCEPTED MANUSCRIPT

#### Highlights

- We study risk preferences of both attacker and defender in a sequential game
- We study how risk preferences affect a player's behavior in equilibrium
- We compare the new model with the one does not consider risk preferences
- We find the model utility is high especially when the attacker is risk seeking

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