A Study on Japanese Automotive Firms and Managing Supply Chain Vulnerability

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Abstract

This paper presents an empirical analysis of the current status and challenges of supply chain risk management in the Japanese automotive industry. It is based on a survey with 47 manufacturing plants. We investigate the vulnerability of supply chains, efforts toward lowering the supply chain risks, and probability and impact of the risks. The results show that there are weak relations between geopolitical risk and technology risk, information risk and disruption risk.

Keywords

Supply chain management, risk management, automotive industry

Biography

Yacob Khojasteh is an Associate Professor of Operations Management at the Graduate School of Global Studies, Sophia University, Tokyo, Japan. He received his Ph.D. in Engineering from the University of Tsukuba, Japan. He also received his M.Sc. in Policy and Planning Sciences, and in Industrial Engineering from the University of Tsukuba, and Tarbiat Modares University, respectively. His research interests include production and operations management, supply chain management, systems modeling and optimization, and lean production systems.

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