

# Foreword and Editorial

## International Journal of Smart Business and Technology

We are very happy to publish this issue of an International Journal of Smart Business and Technology by Global Vision School Publication.

This issue contains 2 articles. Achieving such a high quality of papers would have been impossible without the huge work that was undertaken by the Editorial Board members and External Reviewers. We take this opportunity to thank them for their great support and cooperation.

In the paper “The factors of Smart Factory Construction- Empirical evidence from Korean metal working Firms”, the Smart Factory is being proposed as a challenge for the manufacturing industry in 4th Industrial revolution. In the absence of empirical analysis of the status of smart factories, we try to analyze the factors of building smart factory on the metal working industry, which is the base of the manufacturing industry. As a result, the CEOs' intentions and firm size are the main factors for innovative and leading investment activities such as smart factories. Also, we find that the level of smart factory is different according to the industrial characteristics as analyzing the factors of smart level into five working areas (Product Process Design, Operation Management, Quality Management, Equipment Management, and Procurement & Logistics). In analyzing factors of smart factory construction plan, the firm with high production manpower makes a plan on the low level of smart plant. It shows that the negative aspects of smart factory construction are strong at the production site.

In the research paper “Moderating Effect of Cost Leadership and Differentiation Strategy on Relationship between Supplier Development Practice and Production Performance in Korean Industry”, the first goal of this research is to verify the hypothesis that supplier development practice has positive effect on production performance of Korean companies. The second one is to verify further hypotheses that cost leadership strategy and differentiation strategy have positive moderating effect on the relationship between supplier development practice and production performance respectively. To achieve those goals, we conducted surveys and empirical researches using validity check, reliability analysis, regression model and moderate regression model. As the results of those researches, we found that supplier development practice affects production performance positively in Korean sample companies. As the further research results, cost leadership strategy has positive moderating effect on relationship between supplier development practice and production performance, while differentiation strategy does not. From these research results we could obtain a managerial implication that implementing supplier development practice and cost leadership strategy at the same time gives Korean companies more improvement in production performance due to synergistic effect between them.

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*Hoh Peter In, Korea University, Korea*  
*Jochen Biedermann, Frankfurt Main Finance e.V., Germany*

**Editor(s)-in-chief of the December Issue on  
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