

Special Issue Call for Papers:

Global Education 4.0 for Operations and Supply Chain Management

Note: The deadline for submissions has been extended to July 31, 2024.

As with each industrial revolution before, the Industry 4.0 era has created the Education 4.0 paradigm. The pedagogical literature regarding needed knowledge, skills, and abilities (KSA) has evolved over the past years (Visich *et al.*, 2021). Despite the abundance of KSAs and competencies studies in the operations and supply chain management (OSCM) field, several scholars (Stek and Schiele, 2021; van Hoek, 2021; Nikookar, and Yanadori, 2022) emphasized the need to explore the trends for the OSCM professional development and the required entry-level talent/skills to be better prepared for entering the workplace.

The *Decision Sciences Journal of Innovative Education (DSJIE)* is seeking submissions for a special issue dedicated to teaching in this Global Education 4.0 era, i.e., innovative methods for teaching the KSAs to meet the needs of OSCM professionals in the Industry 4.0 era. The topics for this special issue include but are not limited to:

- Evidence-based learning outcomes for the training of key competencies, both transversal (soft) and disciplinary (hard), in the OSCM profession.
- The improvement of existing programs and courses to fill the educational gap for OSCM in Education 4.0.
- In-class exercises or projects that lead to KSA for OSCM in the Education 4.0 era.
- Innovative educational methods and techniques that utilize Industry 4.0 technologies such as artificial intelligence, machine learning, blockchain, Radio Frequency Identification, and other OSCM technologies.
- Innovative educational methods that teach software skills in supply chain planning, supply chain visibility, inventory management, warehouse management systems, and transportation management systems.
- Comprehensive in-class exercises that focus on problem-solving KSAs for OSCM: problem identification, problem definition, information gathering, analysis, and implementation.

For this special issue, *DSJIE* is interested in conceptual and empirical papers, and teaching briefs that focus on Global Education 4.0. Please reference

<https://onlinelibrary.wiley.com/page/journal/15404609/homepage/forauthors.html> for definitions of article formats. We welcome submissions that describe novel methods and/or approaches to undergraduate or MBA-level OSCM courses. We are especially interested in submissions that target the Education 4.0 KSAs for OSCM professional development.

Review Process and Publication Timeline: Submissions will be considered on a rolling basis as they arrive. The deadlines are listed below:

- Manuscript submissions: **July 31st, 2024**
- Final acceptance decisions: December 31st, 2024
- Publication: April 2025

Special Issue Guest Editors:

Pedro M. Reyes (pedro_reyes@baylor.edu) received his Ph.D. in Management Science from the University of Texas at Arlington and is Associate Professor of Operations and Supply Chain Management at Baylor University. His research interests consist of designing global supply chain operations planning and control systems. In the past few years, his research has extended to Industry 4.0 in global supply chains and the amalgamation of technologies that include the use of RFID, the Internet of Things (IoT), artificial intelligence, machine learning, additive manufacturing, and Blockchain. Dr. Reyes' research has been published in *IEEE Engineering Management Review*, *International Journal of Production Economics*, *International Journal of Operations & Production Management*, *European Journal of Operational Research*, and *Decision Sciences Journal of Innovative Education*. He was a co-author of the winning submission for the DSI Best Teaching Case Award Competition in 2014. Dr. Reyes currently serves as an associate editor for DSJIE and on the Decision Sciences Institute Board of Directors as VP of the Americas.

John K. Visich (jvisich@bryant.edu) received his Ph.D. in Operations Management from the University of Houston and is Professor of Operations and Global Supply Chain Management at Bryant University, where he is also the director of the Global Supply Chain Management Program. His research interests include supply chain pedagogy, technology in the supply chain, and supply chain integration. He has published in the *European Journal of Operational Research*, *International Journal of Operations & Production Management*, *International Journal of Production Research*, and *Decision Sciences Journal of Innovative Education*. He is a four-time finalist in the Decision Sciences Institute Best Teaching Case Award Competition, winning in 2011 and 2014. He has received the Outstanding MBA Professor Award 6 times from Bryant University MBA students and an Honorable Mention Award in 2014 for the Page Prize for Environmental Sustainability Curriculum. He is currently a member of the DSJIE Editorial Board and Proceedings Coordinator for the 2023 Annual Meeting of the Decision Sciences Institute.

References:

- Miranda, J., Navarrete, C., Noguez, J., Molina-Espinosa, J-M., Ramírez-Montoya, M-S., Navarro-Tuch, S., Bustamante-Bello, M-R., Rosas-Fernández, J-B., and Molina, A. (2021). The core components of education 4.0 in higher education: Three case studies in engineering education. *Computers and Electrical Engineering*, 93, 107278.
- Nikookar, E. and Yanadori, Y. (2022). Preparing supply chain for the next disruption beyond COVID-19: managerial antecedents of supply chain resilience. *International Journal of Operations & Production Management*, 42(1), 59-90.
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- van Hoek, R., Gibson, B., and Johnson, M. (2020). Talent management for a post-COVID-19 supply chain – The critical role for managers. *Journal of Business Logistics*, 41(4), 334-336.
- Visich, J.K, Reyes, P.M., Roethlein, C.J., and Gravier, M. “Student Knowledge, Skills and Abilities for the Supply Chain in Industry 4.0.” *Decision Sciences Insights*, Vol. 1, No.1, December, 2021.
- [Student Knowledge, Skills, and Abilities for the Supply Chain Industry 4.0 - Decision Sciences Institute](#)