# Call for Chapters

*Digitization in Supply Chain Management: Trends, Challenges, and Solutions*

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**Publisher:**
World Scientific

**Series Scope:**
As supply chain management relies more and more on technology, key systematic vulnerabilities arise. This series will examine the front line of supply chain management as we transition into a new way of doing business. Thus, this series will examine topics such as: cyber security in supply chain management, supply chain privacy and fraud, supply chain risk management, blockchain, big data, 3-D printing, and so on.

**Book Scope:**
Every industry has faced the tidal wave of "digital" that has either re-shaped or dramatically altered their modus operandi. Supporting technologies in the management information systems arena have given rise to increased end to end visibility, real time access to information, and tightly controlled monitoring of deployed assets. In many industries it is straightforward to see the impact that digital technologies have had. Finance is a great example, with cash payments becoming increasingly less and less common, and digital currencies increasing in prominence. Yet how has this impacted supply chain management? In a discipline that spans multiple industries, continents, and companies, are there examples that we can point to that explain how digital supply chains have become? Which aspects of supply chain management were transformed by the digital tidal wave, and which functions are lagging behind? This is what this volume seeks to address.

**Topics Submissions Should Cover:**

We are open to various topics that deal with "digital" and "supply chain management", broadly defined. Key criteria for the inclusion in the book is that the chapter gels with the theme of the series. Specifically there are three components:

(1) **Trends**: what are the current trends in digital (or digitalization) supply chain management? Ideally, these trends will include all aspects of the supply chain. That is, how has the digital revolution impacted sourcing? What are the digital trends in the logistics, warehousing, and distribution industry? How has 'digital' impacted the operations and manufacturing industry?
(2) **Challenges**: where are the diminishing returns to digital and its inclusion in the supply chain? Are there problems related to procurement and sourcing as the digital revolution takes hold? Are logistics challenges compounded in a digital world? Is manufacturing more streamlined or are there additional complexities that need to be addressed?
(3) **Solutions**: Are the challenges all too overwhelming, or are there remedies that we can advance to cope with an ever increasingly digital world?

Specific topics would ideally include:

- History/framing of digitalization in supply chains
- The Internet of Things (IoT) and its impact on SCM
- Blockchain and its impact on SCM

- Digital twins: what are they and what impact to they have on SCM
- Big Data in SCM: What, how, when, where and why do we use it?
- Artificial Intelligence in SCM: what is the current state of affairs?
- Machine Learning: can SCM benefit from its implementation?
- Supply chain collaborative networks: what is the current state of affairs?
- Supply chain control towers: increasing end to end visibility in the supply chain.

**Submission Guidelines:**
- All manuscripts are to be emailed with the subject line "Chapter Submission - Digitization and SCM" to the editors at scarnovale@saunders.rit.edu and yeniyurt@rutgers.edu by April 30th, 2022.
- The editors expect to review the manuscripts within two (2) months and have a decision back to authors by June 31, 2022
    - Should a revision be invited, the Editors will expect to have the authors submit their changes within two (2) months.
- All manuscripts should be double spaced, with 12 point times new roman font
- Each manuscript should not exceed 30 pages, or 10,000 words, all manuscripts should be written in MS word and submitted accordingly.
- Citations should follow the World Scientific Guidelines (attached to email)