Call for Chapter Proposals

Handbook on Digital Platforms and Ecosystems in Manufacturing

Edited book to be published by **Edward Elgar Publishing**
("Research Handbooks in Business and Management" series)

Editor:

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Background and Objective

Business ecosystems have become the preferred operating mode in the digital economy, replacing vertical hierarchies and linear supply chains with a distributed and collaborative organizational model. Improvements through digital technologies allow for connectedness and data exchange beyond corporate boundaries, transforming the structure of business operations. Such an integrated approach to manufacturing and supply chain management, also referred to as Industry 4.0, brings together physical machines, data and human beings to transform manufacturing and logistics processes. The use of sensors, connectivity and advancements in analytics and machine learning drive manufacturing in the digital age. Consequently, embracing the Business Ecosystem Model and harnessing digital technologies opens up new business opportunities, particularly through the use of digital platforms, while advancing product quality, productivity and operational efficiency in competitive markets. Business Ecosystems and platforms are also known to be better able to address the manifold disruptions in supply chains and provide the necessary resilience for continuous and sustainable operations.

This Handbook provides a comprehensive and detailed exploration of the evolution and current state of Digital Platforms and Ecosystems in Manufacturing. The Handbook brings together scholars from relevant disciplines (management, engineering, and computer science) and investigates different perspectives (technologies, platforms, business models, and governance) on Digital Platforms and Ecosystems in Manufacturing. This integrative approach is vital to capture the scope of economic and technological factors that interact in the emergence and evolution of Digital Platforms and Ecosystems in Manufacturing in order to understand the underlying processes. The Handbook not only provides guidance for researchers unfamiliar with the topic, but

also for managers who have to develop and navigate increasingly complex Digital Platforms and Ecosystems in Manufacturing for their companies to remain competitive.

Recommended Topics

The handbook is open to conceptual and empirical contributions and case studies from all areas of business administration and management, engineering, computer science, a s well as economics and humanities. Suitable contributions from practitioners are also most appreciated.

Chapters related to all dimensions of context relevant for Digital Platforms and Ecosystems in Manufacturing are welcome. They include, but are not limited to, the following:

- *Digital Technologies in Manufacturing and Logistics, e.g.*
  Internet of Things/Cloud, Digital Twins, Human-Machine-Interaction/Robotics, Artificial Intelligence/Machine Learning, Blockchain, CAD, AR/VR/Virtual Worlds
- *Digital Platforms and Ecosystems, e.g.*
  Platforms and multi-sided Market Places, Value Creation and Capture in Digital Business Ecosystems, Ecosystems of Ecosystems, Data-driven Business Models, Additive Manufacturing and Digital Spare Parts, Creating Digital Business Ecosystems, the Changing Role of the Focal Firm/Orchestrator, Industry Clusters, Managing project-based innovative Digital Business Ecosystems in Manufacturing, Strategic Management/Strategic Positioning in Digital Business Ecosystems
- *Methods and Approaches, e.g.*
  Digital Product and Service Design, Design Thinking, Virtual Prototyping, Reverse Engineering, Gamification, Project Programs and Portfolios
- *Challenges in Digital Manufacturing and Logistics, e.g.*
  Supply Disruptions/Resilience, New Work, Sustainability/Circular Economy, Corporate Digital Responsibility, Regulatory and Governance Issues

Publishing Information

The Handbook will be published in the "Research Handbooks in Business and Management" series of Edward Elgar Publishing, https://www.e-elgar.com/shop/gbp/book-series/business-and-management/research-handbooks-in-business-and-management-series.html.

Chapters will be 6,000 to 8,000 words in length. All chapters will be peer-reviewed and included in the *Thomson Reuters Social Sciences Index* and *Scopus*.

Important Dates

August 15, 2022:	Proposal (300-500 words) outlining idea/research questions, relevance for Digital Platforms and Ecosystems in Manufacturing, methodology and expected results
November 30, 2022:	First draft of chapter due
January 31, 2022:	Reviewed first draft of chapter returned to contributors
May 31, 2023:	Contributors deliver final work
Early 2024:	*Handbook on Digital Platforms and Ecosystems in Manufacturing* Publication

Submission

Please send the book chapter proposal to the editor:

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