A Call for Book Chapter Proposals

Book title: **Innovative Solutions for Sustainable Supply Chains**

Publisher: **Springer-US**
Editor: Hassan Qudrat-Ullah,
Professor of Decision Sciences, York University, 4700 Keele St., Toronto M3J 1P3, Canada

Given the ever increasing significance of socio-economic and environmental aspects, the management of sustainable supply chains has become a complex, dynamic task. Multiple and often conflicting objectives of stakeholders including suppliers, manufacturers and service providers, and retailers add to the complex nature of decisions that modern day managers of supply chains face. With the unprecedented technological developments and innovations at hand, sustainability can be maximized for all of the activities of a supply chain including service concept, product design, material sourcing and procurement, manufacturing processes, delivery of the final product, and end-of-life management. Consequently, the sustainable supply chain issues and problems require a systematic and integrated approach to a solution. Modeling and simulation in general and system dynamics and agent-based modeling in particular have the capabilities to deal with the complexity of the sustainable supply chains. Therefore, the primary aim of this book is to present the latest decision making tools, techniques, and innovative solutions that decision makers can utilize to overcome the challenges that their sustainable supply chains face.

We would like to invite potential authors to submit and showcase their work in the area of sustainable supply chains centered around the applications of various complex systems-oriented toolboxes including system dynamics, networks, agent-based models, large-scale optimization, evolution of supply chain, coupled supply chain and human ecology-based solutions as well the empirical studies (with a clear focus on innovative integrative solutions).

Suggested topics include, but are not limited to the following:

- Sustainable supply chains concepts, theories, and models
- Evidence-based sustainable supply chain management
- Sustainable supply chain management practices
- Econometric models for emerging sustainable supply chains
- System dynamics and the sustainable supply chains
- Agent-based models and the sustainable supply chains
- integrative sustainable supply chains
- Soft systems methods and the sustainable supply chains
- Green logistics and SCM
- Dynamics of environmental emissions in supply chains
- Multi-agency cooperation and interoperability in SCM

The **extended abstract** (2-3 pages) should explain the: (i) **topic,** (ii) **the goals** of your chapter, (iii) a brief **description and significance** of your contribution within the book theme, (iv) and the **utility/ real-world application** of your work. A list of 8-10 related **keywords** should be included.

The **extended abstracts** can be submitted by e-mail attachments to the Editor, Hassan Qudrat-Ullah, (**hassanq@yorku.ca**) ***by May 15, 2017***.

Important Dates:

Chapter Proposal (due date): **May 15, 2017**

Acceptance Notification: May 31, 2017

Full Chapter submission: September 1, 2017

Final Chapter Submission (after revisions): January 1, 2018

Manuscripts submission to the publisher: March 31, 2018

Book in Print (tentative): **May 15, 2018**