**CALL FOR CHAPTER PROPOSALS**

**Proposal Submission Deadline: July 1, 2014**

**Analyzing Risk through Probabilistic Modeling in Operations Research**

A book edited by

Dariusz Jacek Jakóbczak (Department of Electronics and Computer Science, Technical University of Koszalin, Poland)

To be published by IGI Global: <http://bit.ly/1k4dXsZ>

For release in the [Advances in Logistics, Operations, and Management Science (ALOMS)](http://www.igi-global.com/book-series/advances-logistics-operations-management-science/37170) Book Series

**Series Editor:** John Wang (Montclair State University, USA)

ISSN: 2327-350X

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The **Advances in Logistics, Operations, and Management Science (ALOMS)** Book Series provides a collection of reference publications on the current trends, applications, theories, and practices in the management science field. Providing relevant and current research, this series and its individual publications would be useful for academics, researchers, scholars, and practitioners interested in improving decision making models and business functions.

**Introduction**

Probabilistic modeling represents a subject arising in many branches of mathematics, economics and computer science. Such modeling connects pure mathematics with applied sciences. Operations research similarly is situated on the border between pure mathematics and applied sciences. So when probabilistic modeling meets operations research, it is very interesting occasion. Our life and work are impossible without planning, time-tabling, scheduling, decision making, optimization, simulation, data analysis, risk analysis and process modeling. Thus, it is a part of management science or decision science.

This book looks to discuss and address the difficulties and challenges that occur during the process of planning or decision making. The editors will seek chapters that address different aspects of probabilistic modeling, stochastic methods, probabilistic distributions, data analysis, optimization methods, probabilistic methods in risk analysis, and related topics. Additionally, the book will explore the impact of such probabilistic modeling with other approaches.

**Objective of the Book**

This comprehensive and timely publication aims to be an essential reference source, building on the available literature in the field of probabilistic modeling, operational research, planning and scheduling, data extrapolation in decision making, probabilistic interpolation and extrapolation in simulation, stochastic processes, and decision analysis. It is hoped that this text will provide the resources necessary for economics and management sciences, also for mathematics and computer sciences.

**Target Audience**

Decision makers, academicians, researchers, advanced-level students, technology developers, and government officials will find this text useful in furthering their research exposure to pertinent topics in operations research and assisting in furthering their own research efforts in this field.

**Recommended topics include, but are not limited to, the following:**

Contributors are welcome to submit chapters on the following topics relating to probabilistic models in operations research, planning, and decision making

* Probabilistic Modeling
* Operations research
* Stochastic Methods
* Probabilistic Methods in Planning
* Decision Making
* Data Analysis
* Optimization Methods
* Probabilistic Methods in Risk Analysis
* Probabilistic Interpolation and Extrapolation
* Process Modeling
* Data Simulation
* Decision Analysis
* Stochastic Processes
* Probabilistic Optimization
* Data Mining
* Mathematical Modeling
* Probabilistic Models in Scheduling
* Time-Tabling
* Data Extrapolation in Planning and Decision Making

**Submission Procedure**

Researchers and practitioners are invited to submit on or before **July 1, 2014**, a 2-3 page chapter proposal clearly explaining the mission and concerns of his or her proposed chapter. Authors of accepted proposals will be notified by **August 1, 2014** about the status of their proposals and sent chapter guidelines. Full chapters are expected to be submitted by **November 1, 2014**. All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

All proposals should be submitted through the link at the bottom of this page

**Publisher**

This book is scheduled to be published by IGI Global (formerly Idea Group Inc.), publisher of the Information Science Reference (formerly Idea Group Reference), Medical Information Science Reference, Business Science Reference, and Engineering Science Reference imprints. For additional information regarding the publisher, please visit [www.igi-global.com](http://www.igi-global.com/). This book is anticipated to be released in 2015.

**Important Dates**

**July 1, 2014:** Proposal Submission Deadline **August 1, 2014:** Notification of Acceptance **November 1, 2014:** Full Chapter Submission **January 15, 2015:** Review Results Returned **February 15, 2015:** Final Chapter Submission **March 30, 2015:** Final Deadline

**Inquiries can be forwarded to**

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