CALL FOR CHAPTER PROPOSALS
Proposal Submission Deadline: January 30, 2013

Design and Management of Lean Production Systems
A book edited by prof. Dr. Vladimir Modrak (Technical University of Kosice, Slovakia) and Dr. Pavol Semanco (Technical University of Kosice, Slovakia)

To be published by IGI Global

Introduction
In the production environment, the cost of manufacturing is inversely proportional to batch size, and the batch size determines the productivity. In a real manufacturing environment, the batch size of the components is often small, leading to frequent changeovers, larger machine idleness, and consequently lesser productivity. Lean manufacturing represents an overall operating philosophy of waste reduction and value enhancement that can include a number of activities or elements. Lean Manufacturing Systems (LMS) evolved as a solution to efficient batch type production of a variety of part types with low set up time, low work-in-process inventory (WIP), short manufacturing lead time, and high quality. The essence of Lean Manufacturing is to focus on improvement techniques to control material flow on the shop floor. Achieving Lean Production is a long, constant process during which the factories have to continuously manage and undergo changes. Lean is more or less the complex philosophy of manufacturing management with continuous improvement to standards. Therefore, there exists a need for and edited collection of articles in this area with a focus also on good practices.

Objective of the Book
This book will explore and capture soft building blocks of successful Lean transformation on the shop floor level and also how to maintain and continuously improve Lean status quo. It is also focused on an overview of the all Lean tools that are used to produce change. Taking this into account, this book provides further understanding of the subject and introduces more fruitful ideas to academic researchers and to the managers of the organization who are in the pipeline. The mission of this book is to present recent advancements in the area of lean production and management, especially of advanced topics related to system and layout design for manufacturing environments. In particular, the transformation from batch production to Lean production and its advantages and obstacles will be the main scope of this book. Lean Manufacturing Systems will be addressed from the technological and managing point of view, and organizational and social perspectives, aiming to disseminate current developments and approaches for possible practical applications of Lean Manufacturing Systems. We will also focus on Lean elements like MRP, MES, scheduling subsystems, etc. to provide the whole image of links in the Lean manufacturing system.

Target Audience
The target audience of this book will be composed of professionals and researchers working in the field of Lean Manufacturing design and management. The book is intended to support
the academicians and industrialists (teachers, doctoral scholars, decision makers in industry, and students educated in this field). It is also intended to support subjects of Lean Production and Management.

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

- Methods and tools of Lean Manufacturing
- Cell design for transformation the production process
- Practical application and case studies of Lean Manufacturing Systems
- Lean Manufacturing Implementation Problems
- Sequencing and scheduling solutions for Lean Manufacturing
- Improved approaches supporting Lean Production concepts
- In-house logistics optimization to facilitate JIT supply chain practices
- Technological aspects of Lean Manufacturing
- Social aspects of Lean Manufacturing
- Lean Manufacturing Systems design
- Lean Manufacturing Systems management
- Total productive maintenance is a critical adjunct to Lean Manufacturing
- Beyond Lean Production to lean thinking

**Submission Procedure**

Researchers and practitioners are invited to submit on or before **January 31, 2013** a 1-2 page chapter proposal clearly explaining the mission and concerns of his or her proposed chapter. Authors of accepted proposals will be notified by **February 15, 2013** about the status of their proposals and sent chapter guidelines and a template. Full chapters are expected to be submitted by **May 30, 2013**. All submitted chapters will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

**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 publication is anticipated to be released in 2014.
Important Dates

January 31, 2013: Proposal Submission Deadline
February 15, 2013: Notification of Acceptance
May 30, 2013: Full Chapter Submission
July 30, 2013: Review Results Returned
September 30, 2013: Revised Chapter Submission
October 31, 2013: Final Book Manuscript Submission

Inquiries and submissions can be forwarded electronically (Word document) by mail to:

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