INTRODUCTION

A comprehensive guide to the science, art, tools, and deployment of innovation

- Co-written by editors of the prestigious International Journal of Innovation Science
- Features ground-breaking contributions from global innovation leaders in every type of industry, including healthcare, consumer products, nanotechnology, education, information technology, and biotechnology

DESCRIPTION

A comprehensive guide to the science, art, tools, and deployment of innovation, brought together by two Editors of the prestigious International Journal of Innovation Science, with ground-breaking contributions from global innovation leaders in every type of industry.

Innovation has become a widely recognized strategic tool to achieve bottom-line results and increase shareholders' value. Most books on innovation address only a single aspect or are tailored to a specific industry. Global Innovation Science Handbook includes chapters on every aspect of
Innovation from the perspective of different industries, both private and public, making it a complete, authoritative source for learning about innovation. Innovation leaders and experts from around the world share their knowledge and experiences in this work. The book spans from concepts to commercialization of the innovation process, its management in an organization, a maturity model to assess organizations' growth in deploying innovation, and an innovation index. Case studies share the field experience, making innovation easy to implement for readers across all industries.

- Covers creativity tools, idea management, innovation methodologies, measurement, deployment, and sustaining return on innovation
- Includes case studies from different types of organizations, both public and private, from varied industries: healthcare, consumer products, nanotechnology, education, information technology, and biotechnology
- Edited and organized by the former and current Editors of the *International Journal of Innovation Science*, with a veritable "Who's Who" of the global innovation world contributing their work.

**ABOUT THE AUTHOR**

**Praveen Gupta, MSEE,** is the President of Accelper Consulting, which works with organizations in achieving improved profitable growth through Six Sigma, Process Excellence, Innovation, and Performance Measurements. He led the deployment of Six Sigma at Motorola in 1986 and the development of innovation science since 2003. Praveen has published in many magazines and has authored many books on Six Sigma and innovation, including *Business Innovation in the 21st Century*. He was the founding editor-in-chief of *International Journal of Innovation Science*. He is a Visiting Lecturer at the University of Illinois, and Adjunct Industry Professor at Illinois Institute of Technology. Praveen also heads Center for Innovation Science and Application at IIT, Chicago.

**Brett E Trusko, PhD, MBA,** is an Assistant Professor of Medicine in the Center for Translational and Bioinformatics. He has been at Mt. Sinai since 2008 where his responsibilities include several grant funded activities and as Deputy Director of the World Trade Center Medical Monitoring and Treatment Center. Dr. Trusko is certified as a professional project manage and a Six Sigma and Lean Master Black Belt. He is the author of *Improving Healthcare Quality and Cost with Six Sigma* and the current editor-in-chief of the *International Journal of Innovation Science*. In 2006, Dr. Trusko became a founding member and Board Director of the United States Healthcare Information Technology Standards Panel and has served two terms.
INTRODUCTION

Step-by-step guidelines for successfully managing construction operations

- Features more than 150 ready-to-use letters, forms, and checklists in the book and available for download
- Fully updated for the latest standards, regulations, and legal precedents
- Two new chapters added – Building Information Modeling (BIM), and Claims, Disputes, Arbitration and Mediation

DESCRIPTION

The latest methods for successfully managing construction operations

Cut down on paperwork with this time-saving reference—and keep your construction operation running smoothly. Construction Operations Manual of Policies and Procedures, Fifth Edition has been completely updated to fit into today’s design and construction environment. It contains step-by-step procedures and a series of new contract formats, checklists, forms, sample letters, and advice gleaned from the coauthors’ decades-long experience in the construction industry
This new edition updates the latest contract formats issued by the American Institute of Architects (A.I.A.), the Associated General Contractors of America (AGC), the Lean Construction Institute, and the Design Build Institute and Construction Management. Current OSHA regulations and legal precedents relating to dispute and claims are also included. Two new chapters added – Building Information Modeling (BIM), and Claims, Disputes, Arbitration and Mediation.

The Fifth Edition Features:

- More than 150 sample letters, word-for-word letters, forms, and checklists in the book and available for download
- New Chapter on Building Information Modeling (BIM)
- New Chapter on Claims, Disputes, Arbitration and Mediation
- Updated safety regulations and standards from OSHA
- Expanded section on change orders and claims and disputes
- Green building and sustainability section expanded and updated with 2011 LEED Certification requirements

ABOUT THE AUTHOR

Andrew Civitello, Jr., owns his own construction management consulting company with offices in Florida and Connecticut specializing in project management, scheduling, and construction claims. Previously, he was President of Civitello Building Company in Connecticut. Civitello is the author of Construction Manager and Complete Contracting.

Sidney M. Levy has 40 years' experience in commercial, institutional, and public works construction. For the past ten years he has been a private consultant working with owners, general contractors, and developers assisting in contract administration and compliance and dispute and claims resolution. Levy is the author of 30 books relating to project management, international construction, construction materials and their application and infrastructure development, including Total Construction Project Management, Second Edition and Project Management in Construction, Sixth Edition.
Global Innovation Science Handbook includes chapters on every aspect of innovation from the perspective of different industries, both private and public, making it a complete, authoritative source for learning about innovation. Innovation leaders and experts from around the world share their knowledge and experiences in this work. Read "Global Innovation Science Handbook" by Praveen Gupta available from Rakuten Kobo. A GROUNDBREAKING GUIDE TO THE ART, SCIENCE, TOOLS, AND DEPLOYMENT OF INNOVATION "It has never been more important t...Â Global Innovation Science Handbook covers: Preparing for innovation--establishing a framework and creating a culture for innovation. Key innovation concepts, such as creativity, neuroscience, biomimetics, benchmarking, and ethnography. Creativity tools, including Kano analysis, storyboarding, absence thinking, Lotus Blossom, SCAMPER, and others. Techniques essential to innovation science, such as Six Thinking Hats, mind mapping, social networks, market research, and lead user analysis.