Preface

The constantly changing landscape of Project Management makes it challenging for experts and practitioners to stay informed of the field’s most up-to-date research. That is why Business Science Reference is pleased to offer this three-volume reference collection that will empower students, researchers, and academicians with a strong understanding of critical issues within Project Management by providing both broad and detailed perspectives on cutting-edge theories and developments. This reference is designed to act as a single reference source on conceptual, methodological, technical, and managerial issues, as well as provide insight into emerging trends and future opportunities within the discipline.

*Project Management: Concepts, Methodologies, Tools and Applications* is organized into eight distinct sections that provide comprehensive coverage of important topics. The sections are:

1. Fundamental Concepts and Theories;
2. Development and Design Methodologies;
3. Tools and Technologies;
4. Utilization and Application;
5. Organizational and Social Implications;
6. Managerial Impact;
7. Critical Issues; and

The following paragraphs provide a summary of what to expect from this invaluable reference tool. Section 1, “Fundamental Concepts and Theories,” serves as a foundation for this extensive reference tool by addressing crucial theories essential to the understanding of Project Management. Introducing the book is *A Review of User Involvement in Information System Projects* by Bradford R. Eichorn and Oya I. Tukel; a great foundation laying the groundwork for the basic concepts and theories that will be discussed throughout the rest of the book. Another chapter of note in Section 1 is titled *Project Management in New Hotel Openings* by Gert Noordzy and Richard Whitfield. Section 1 concludes, and leads into the following portion of the book with a nice segue chapter, *Project Management in Portuguese metalworking Industry* by Ricardo Pinto and Caroline Dominguez.

Section 2, “Development and Design Methodologies,” presents in-depth coverage of the conceptual design and architecture of Project Management. Opening the section is *A Framework of Risk in Global IT Projects and Mitigation Strategies from Service-Oriented Architecture* by One-Ki (Daniel) Lee, Roger Blake, and Deepa Varghese Baby. Through case studies, this section lays excellent groundwork for later sections that will get into present and future applications for Project Management, including, of note:
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Developing a Framework of Human Resource Management, Organizational Learning, Knowledge Management Capability, and Organizational Performance by Kijpokin Kasemsap; and Identifying the key Success Factors of Innovation for Improving the New Product Development Process by Marcin Relich and Jana Sušanjová. The section concludes with an excellent work by Yannis Charalabidis and Demetrios Sarantis, titled Towards Innovating Electric Government Projects Management, Utilising Goal-Driven, Knowledge-Based Methods and Tools.

Section 3, “Tools and Technologies,” presents extensive coverage of the various tools and technologies used in the implementation of Project Management. Section 3 begins where Section 2 left off, though this section describes more concrete tools at place in the modeling, planning, and applications of Project Management. The first chapter, ‘Smart’ Project Management: Smartphone ‘Apps’ for Project Management by Céline M. Silvius and Gilbert Silvius, lays a framework for the types of works that can be found in this section. Section 3 is full of excellent chapters like this one, including such titles as EcoGrid: A Toolkit for Modelling and Simulation of Grid Computing Environment for Evaluation of Resource Management Algorithms by Hemant Kumar Mehta; and The Project Management Perspective for a Digital City by Leonidas G. Anthopoulos, Pantelis Ipsilantis, and Vassiliki Kazantzí. The section concludes with Using Twitter for Collaborative Student and Project Manager Learning by Kate Barnett-Richards and Marie Sams. Where Section 3 described specific tools and technologies at the disposal of practitioners, Section 4 describes the use and applications of the tools and frameworks discussed in previous sections.

Section 4, “Utilization and Application,” describes how the broad range of Project Management efforts has been utilized and offers insight on and important lessons for their applications and impact. The first chapter in the section is titled A Bayesian Approach to Project Control written by Franco Caron. This section includes the widest range of topics because it describes case studies, research, methodologies, frameworks, architectures, theory, analysis, and guides for implementation. The breadth of topics covered in the chapter is also reflected in the diversity of its authors, from countries all over the globe. Some chapters to note include: How’s the ICT Project Management Going in Portugal by David Silva, Jose Angelo Pinto, Paula Gomes, and Filipa Ramalho; Project Management in Library and Information Science: An Application in University Library Context by Rosario Arquero Avilés, Gonzalo Marco Cuenca, Silvia Cobo Serrano, and L. Fernando Ramos Simón; and Social Media Use within Project Teams: Practical Application of Social Media on Projects by Linky Van der Merwe to name a few. The section concludes with Using Data Labels to Discover Moderating Effects in PLS-Based Structural Equation Modeling by Ned Kock, a great transition chapter into the next section.

Section 5, “Organizational and Social Implications,” includes chapters discussing the organizational and social impact of Project Management. The section opens with A Practitioner Based Evaluation of Project Management Knowledge and Education: The Australian Case by Ziauddin A. Durrani and Bassam Baroudi. Where Section 4 focused on the broad, many applications of Project Management technology, this section focuses exclusively on how these technologies affect human lives, either through the way they interact with each other, or through how they affect behavioral/workplace situations. Other interesting chapters of note include The Antecedents and Consequences of Strategic HRM in Malaysian and Philippine SMEs by Maria Carmen Galang and Intan Osman; and The Effect of Organizational Commitment on Project Outcomes under Common Agency by Bruce E. Hurst and Michael H. McGivern. The section concludes with Towards Effective Teaching in Project Management by Xiaohui Zhao.

Section 6, “Managerial Impact,” presents focused coverage of Project Management in a managerial perspective. This section serves as a vital resource for developers who want to utilize the latest research to bolster the capabilities and functionalities of their processes. The section begins with Career Manage-
ment and Human Resource Development of a Global, Diverse Workforce by Gyongyi Konyu-Fogel. The chapters in this section offer unmistakable value to managers looking to implement new strategies that work at larger bureaucratic levels. The section concludes with Use Value and HRD and HRM Flexibility by Claretha Hughes and DeVaughn Stephens.

Section 7, “Critical Issues,” presents coverage of academic and research perspectives on Project Management tools and applications. The section begins with Barriers to Social Media Adoption on Projects by Elizabeth Harrin. Chapters in this section will look into theoretical approaches and offer alternatives to crucial questions on the subject of Project Management. The section concludes with Why Has Project Management (PMBOK) Hindered Instead of Advanced Transformational e-Government by Shauneen Furlong.

Section 8, “Emerging Trends,” highlights areas for future research within the field of Project Management, opening with Constructive eHealth Evaluation: Involving the End-User by Anna Marie Ballin Høstgaard. This section contains chapters that look at what might happen in the coming years that can extend the already staggering amount of applications for Project Management. The final chapter of the book looks at an emerging field within Project Management, in the excellent contribution, Transferring Data to Wisdom in Project Management by Dragana Milin.

Although the primary organization of the contents in this multi-volume work is based on its eight sections, offering a progression of coverage of the important concepts, methodologies, technologies, applications, social issues, and emerging trends, the reader can also identify specific contents by utilizing the extensive indexing system listed at the end of each volume. As a comprehensive collection of research on the latest findings related to using technology to providing various services, Project Management: Concepts, Methodologies, Tools and Applications, provides researchers, administrators and all audiences with a complete understanding of the development of applications and concepts in Project Management. Given the vast number of issues concerning usage, failure, success, policies, strategies, and applications of Project Management in countries around the world, Project Management: Concepts, Methodologies, Tools and Applications addresses the demand for a resource that encompasses the most pertinent research in technologies being employed to globally bolster the knowledge and applications of Project Management.