Volume 1

Section I. Fundamental Concepts and Theories

This section serves as the foundation for this exhaustive reference tool by addressing crucial theories essential to the understanding of information resources management (IRM). Chapters found within these pages provide an excellent framework in which to position information resources management within the field of information science and technology. Individual contributions provide overviews of the current demands upon IRM, preparedness of businesses to use ICT strategically, literature reviews of current management standards, and key elements of the transition from information management to knowledge management. Within this introductory section, the reader can learn and choose from a compendium of expert research on the elemental theories underscoring information resources management.

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Chapter 1.5. From Information Management to Knowledge Management

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Chapter 1.6. An Overview of Enterprise Resource Planning for Intelligent Enterprises

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Chapter 1.10. From Knowledge to Personal Knowledge Management

Fortunato Sorrentino, Università degli Studi di Firenze, Italy

Section II. Development and Design Methodologies

This section provides in-depth coverage of conceptual architectures, frameworks and methodologies related to the design and implementation of information resources management. Throughout these contributions, research fundamentals in the discipline are presented and discussed. From broad examinations to specific discussions on particular frameworks and infrastructures, the research found within this section spans the discipline while also offering detailed, specific discussions. Basic designs, as well as abstract developments, are explained within these chapters, and frameworks for creating knowledge appraisal and knowledge management systems, analyzing information quality, and enterprise resource planning systems are provided.

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Pek-Hooi Soh, National University of Singapore, Singapore

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Section III. Tools and Technologies

This section presents extensive coverage of the technology that informs and impacts information resources management. These chapters provide an in-depth analysis of the use and development of innumerable devices and tools, while also providing insight into new and upcoming technologies, theories, and instruments that will soon be commonplace. Within these rigorously researched chapters, readers are presented with examples of the tools that facilitate and support the emergence and advancement of information resources management. In addition, the successful implementation and resulting impact of these various tools and technologies are discussed within this collection of chapters.

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