

# Contents

## Volume I

### 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 mobile computing. Chapters found within these pages provide an excellent framework in which to position mobile computing within the field of information science and technology. Individual contributions provide overviews of mobile learning, mobile portals, and mobile government, while also exploring critical stumbling blocks of this field. Within this introductory section, the reader can learn and choose from a compendium of expert research on the elemental theories underscoring the research and application of mobile computing.*

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### Section III. Tools and Technologies

*This section presents extensive coverage of the technology that both derives from and informs mobile computing. 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 mobile computing. 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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## Section V. Organizational and Social Implications

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## Section VI. Managerial Impact

*This section presents contemporary coverage of the managerial implications of mobile computing. Particular contributions address business strategies for mobile marketing, mobile customer services, and mobile service business opportunities. The managerial research provided in this section allows executives, practitioners, and researchers to gain a better sense of how mobile computing can inform their practices and behavior.*

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## Section VII. Critical Issues

*This section addresses conceptual and theoretical issues related to the field of mobile computing, which include security issues in numerous facets of the discipline including mobile agents, mobile commerce, and mobile networks. Within these chapters, the reader is presented with analysis of the most current and relevant conceptual inquiries within this growing field of study. Particular chapters also address quality of service issues in mobile networks, mobile ontologies and mobile web mining for marketing. Overall, contributions within this section ask unique, often theoretical questions related to the study of mobile computing and, more often than not, conclude that solutions are both numerous and contradictory.*

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## Section VIII. Emerging Trends

*This section highlights research potential within the field of mobile computing while exploring uncharted areas of study for the advancement of the discipline. Chapters within this section highlight evolutions in mobile services, frameworks, and interfaces. These contributions, which conclude this exhaustive, multi-volume set, provide emerging trends and suggestions for future research within this rapidly expanding discipline.*

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