Preface

The constantly changing landscape of Identity Theft makes it challenging for experts and practitioners to stay informed of the field’s most up-to-date research. That is why Information Science Reference is pleased to offer this single-volume reference collection that will empower students, researchers, and academicians with a strong understanding of critical issues within Identity Theft 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, and technical, as well as provide insight into emerging trends and future opportunities within the discipline.

Identity Theft: Breakthroughs in Research and Practice is organized into three sections that provide comprehensive coverage of important topics. The sections are:

1. Fundamental Concepts and Design Methodologies;
2. Technologies and Applications;

The following paragraphs provide a summary of what to expect from this invaluable reference tool.

Section 1, “Fundamental Concepts and Design Methodologies,” serves as a foundation for this extensive reference tool by addressing crucial theories and presents in-depth coverage of the conceptual design and architecture essential to the understanding of Identity Theft. Introducing the book is Privacy, Security, and Identity Theft Protection: Advances and Trends by Guillermo A. Francia III, Frances Shannon Hutchinson, and Xavier Paris Francia; a great foundation laying the groundwork for the basic concepts and theories that will be discussed throughout the rest of the book. Through case studies, this section lays excellent groundwork for later sections that will get into present and future applications for Identity Theft. The section concludes, and leads into the following portion of the book with a nice segue chapter, Identity Management Systems: Models, Standards, and COTS Offerings by Reema Bhatt, Manish Gupta, and Raj Sharman.

Section 2, “Technologies and Applications,” presents extensive coverage of the various tools and technologies used along with describing how the broad range of Identity Theft efforts has been utilized and offers insight on and important lessons for their applications and impact. The first chapter The German Electronic Identity Card: Lessons Learned by Christoph Sorge, lays a framework for the types of works that can be found in this section. This section includes the widest range of topics because it describes tools at place in the modeling, planning, and applications along with case studies, research,
methodologies, frameworks, architectures, theory, analysis, and guides for implementation of Identity Theft. We conclude the section with A Wrapper-Based Classification Approach for Personal Identification through Keystroke Dynamics Using Soft Computing Techniques by Shanmugapriya D. and Padmavathi Ganapathi a well-rounded transitional chapter into the next section.

Section 3, “Social Implications, Critical Issues, and Emerging Trends,” includes chapters discussing the organizational and social impact of Identity Theft, coverage of academic and research perspectives on tools and applications and highlights areas for future research. The section opens with Cyber Risk: A Big Challenge in Developed and Emerging Markets by Maria Cristina Arcuri, Marina Brogi, and Gino Gandolfi. This section focuses on how these technologies affect human lives, discusses theoretical approaches and offer alternatives to crucial questions, and looks at what might happen in the coming years that can extend the applications for Identity Theft. The final chapter of the book looks at an emerging field within Identity Theft, in the excellent contribution, User Authentication based on Dynamic Keystroke Recognition by Khaled Mohammed Fouad, Basma Mohammed Hassan, and Mahmoud F. Hassan.

Although the primary organization of the contents in this work is based on its three 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. As a comprehensive collection of research on the latest findings related to using technology to providing various services, Identity Theft: Breakthroughs in Research and Practice, provides researchers, administrators and all audiences with a complete understanding of the development of applications and concepts in Identity Theft. Given the vast number of issues concerning usage, failure, success, policies, strategies, and applications of Identity Theft in countries around the world, Identity Theft: Breakthroughs in Research and Practice addresses the demand for a resource that encompasses the most pertinent research in technologies being employed to globally bolster the knowledge and applications of Identity Theft.