# Table of Contents

Preface................................................................................................................................................... ix

**Section 1**  
**Fundamental Concepts and Design Methodologies**

This section serves as a foundation for this exhaustive reference tool by addressing underlying principles essential to the understanding of Identity Theft and provides in-depth coverage of conceptual architecture frameworks to provide the reader with a comprehensive understanding of the emerging developments within the field of Identity Theft. With 7 chapters comprising this foundational section, the reader can learn and chose from a compendium of expert research on the elemental theories underscoring the Identity Theft discipline. Research fundamentals imperative to the understanding of developmental processes within Identity Theft are offered. Chapters found within these pages provide an excellent framework in which to position Identity Theft within the field of information science and technology. From broad examinations to specific discussions on methodology, the research found within this section spans the discipline while offering detailed, specific discussions. From basic designs to abstract development, these chapters serve to expand the reaches of development and design technologies within the Identity Theft community. Insight regarding the critical incorporation of global measures into Identity Theft is addressed, while crucial stumbling blocks of this field are explored.

**Chapter 1**  
Privacy, Security, and Identity Theft Protection: Advances and Trends ............................................... 1  
*Guillermo A. Francia III, Jacksonville State University, USA*  
*Frances Shannon Hutchinson, ITEL Laboratories, USA*  
*Xavier Paris Francia, Jacksonville State University, USA*

**Chapter 2**  
Overview of the U.S. Criminal Justice System and Safety Tips for International Students ............... 13  
*Thomas C. Johnson, Western Carolina University, USA*

**Chapter 3**  
Identity and Access Management in the Cloud Computing Environments .......................................... 38  
*Manoj V. Thomas, National Institute of Technology Karnataka, India*  
*K. Chandrasekaran, National Institute of Technology Karnataka, India*

**Chapter 4**  
A Routine Activity Theory-Based Framework for Combating Cybercrime ........................................ 69  
*Dillon Glasser, The Richard Stockton College of New Jersey, USA*  
*Aakash Taneja, The Richard Stockton College of New Jersey, USA*
Section 2
Technologies and Applications

This section presents an extensive coverage of various tools and technologies available in the field of Identity Theft and discusses a variety of applications and opportunities available that can be considered by practitioners in developing viable and effective Identity Theft programs and processes. With 7 chapters, this section offers a broad treatment of some of the many tools and technologies within the Identity Theft field. These chapters enlighten readers about fundamental research on the many tools facilitating the burgeoning field of Identity Theft and review topics from case studies to best practices and ongoing research. Further chapters discuss Identity Theft in a variety of settings. Contributions included in this section provide excellent coverage of today’s IT community and how research into Identity Theft is impacting the social fabric of our present-day global village. It is through these rigorously researched chapters that the reader is provided with countless examples of the up-and-coming tools and technologies emerging from the field of Identity Theft.

Chapter 8
The German Electronic Identity Card: Lessons Learned.......................................................... 157

Christoph Sorge, CISPA and Institute of Legal Informatics, Saarland University, Germany

Chapter 9
The Role of Radio Frequency Identification in Modern Libraries ........................................... 174

Kijpokin Kasemsap, Suan Sunandha Rajabhat University, Thailand

Chapter 10
A Novel Technique for Securing E-Commerce Transaction..................................................... 201

Arnab K. Maji, North Eastern Hill University, India

Chapter 11
Analysis of Various Security Issues and Challenges in Cloud Computing Environment:
A Survey .............................................................................................................................. 221

Zhaolong Gou, Yamaguchi University, Japan
Shingo Yamaguchi, Yamaguchi University, Japan
B. B. Gupta, National Institute of Technology Kurukshetra, India
Chapter 12
Cybercrimes Technologies and Approaches.............................................................................. 248
WeSam Musa, University of Maryland – University College, USA

Chapter 13
A Wrapper-Based Classification Approach for Personal Identification through Keystroke Dynamics Using Soft Computing Techniques............................................................... 267
Shanmugapriya D., Avinashilingam Institute for Home Science and Higher Education for Women, India
Padmavathi Ganapathi, Avinashilingam Institute for Home Science and Higher Education for Women, India

Section 3
Social Implications, Critical Issues, and Emerging Trends
This section contains 6 chapters, giving a wide range of research pertaining to the social and behavioral impact of Identity Theft, and a wide variety of perspectives and advancement of the discipline on Identity Theft. The reader is presented with an in-depth analysis of research into the integration of global Identity Theft as well as the most current and relevant issues within this growing field of study in which crucial questions are addressed and theoretical approaches discussed. Chapters in this section discuss the effects of user behavior as well as future research directions and topical suggestions for continued debate.

Chapter 14
Cyber Risk: A Big Challenge in Developed and Emerging Markets........................................... 292
Maria Cristina Arcuri, University of Modena and Reggio Emilia, Italy
Marina Brogi, University of Roma “La Sapienza”, Italy
Gino Gandolfi, University of Parma, Italy

Chapter 15
The Value of Personal Information............................................................................................... 308
K.Y Williams, Walden University, USA
Dana-Marie Thomas, Walden University, USA
Latoya N. Johnson, Walden University, USA

Chapter 16
Vidya Mulukutla, State University of New York – Buffalo, USA
Manish Gupta, State University of New York – Buffalo, USA
H. R. Rao, State University of New York – Buffalo, USA

Chapter 17
Cyber-Crimes against Adolescents: Bridges between a Psychological and a Design Approach....... 358
Filipa da Silva Pereira, University of Minho, Portugal
Marlene Alexandra Veloso de Matos, University of Minho, Portugal
Álvaro Miguel do Céu Gramacho Oliveira Sampaio, Polytechnic Institute of Cávado and Ave, Portugal
Chapter 18
Privacy Dangers of Wearables and the Internet of Things .................................................. 379
Scott Amyx, Amyx McKinsey, USA

Chapter 19
User Authentication Based on Dynamic Keystroke Recognition ......................................... 403
Khaled Mohammed Fouad, Benha University, Egypt
Basma Mohammed Hassan, Benha University, Egypt
Mahmoud F. Hassan, Benha University, Egypt

Index ......................................................................................................................................... 438