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Computer Science : Systems and Data Security

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Cyber Denial, Deception and Counter Deception

A Framework for Supporting Active Cyber Defense

- Provides a framework to systematically implement cyber denial and deception active defenses which can immediately improve security posture
- Establishes a cyber-counter deception plan
- Examines the challenges of using deception as part of a security strategy and prepares users to overcome them
- Includes detailed case studies

This book presents the first reference exposition of the Cyber-Deception Chain: a flexible planning and execution framework for creating tactical, operational, or strategic deceptions. This methodology bridges the gap between the current uncoordinated patchwork of tactical denial and deception (D&D) techniques and their orchestration in service of an organization's mission. Concepts for cyber- D&D planning operations and management are detailed within the larger organizational, business, and cyber defense context. It examines the necessity of a comprehensive, active cyber denial scheme. The authors explain the organizational implications of integrating D&D with a legacy cyber strategy, and discuss trade-offs, maturity models, and lifecycle management. Chapters present the primary challenges in using deception as part of a security strategy, and guides users through the steps to overcome common obstacles. Both revealing and concealing fact and fiction have a critical role in securing private information. Detailed case studies are included. Cyber Denial, Deception and Counter Deception is designed as a reference for professionals, researchers and government employees working in cybersecurity. Advanced-level students in computer science focused on security will also find this book useful as a reference or secondary text book.

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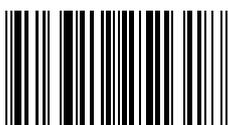
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