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Human Factors and Cybersecurity The Psychology of Online Safety and Security

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Abstrak

Human Factors and Cybersecurity examines the intricate interplay between human behaviour and digital security, offering a comprehensive exploration of how psychological, dispositional, and situational factors influence cybersecurity practices. Bringing together information that is both research-informed and practical in nature, the book highlights how human behaviour and decisions can impact cybersecurity infrastructure. It covers a wide range of topics, including the foundations of cybersecurity, the risks posed by insider threats, and the importance of a human-centred approach. It examines the cognitive pitfalls and decision-making processes that can lead to security breaches and provides strategies for reducing human error. The book also includes case studies and real-world examples of cybersecurity breaches, and practical strategies and guidance for enhancing cybersecurity at an individual and organisational level.Presenting state-of-the-art thinking related to the human factor in the context of cybersecurity, this book offers a clear grounding for researchers,professionals, and students alike, and valuable insights for anyone looking to protect against threats in the digital world.