

# The Ethical Dilemmas in the Cybersecurity World

In today's digital age, where our lives are interconnected with technology, the importance of cybersecurity cannot be understated. Protecting sensitive information and defending against cyber threats has become paramount for individuals, organizations, and governments alike. As the field of cybersecurity continues to evolve, so do the ethical challenges that professionals face. In this article, we will delve into the world of cybersecurity ethics and explore the ideas presented in Mary Manjikian's influential work on the subject.

## Understanding Cybersecurity Ethics

Before diving into the ethical aspects of cybersecurity, let us first define cybersecurity itself. Cybersecurity refers to the practice of protecting electronic systems, networks, and data from unauthorized access, attacks, damage, and disruption.

When we talk about cybersecurity ethics, we are essentially examining the moral principles and guidelines that should govern individuals and organizations operating in the cybersecurity field. It is important to establish a set of standards that not only ensure the protection of sensitive data but also safeguard the privacy and rights of individuals affected by cybersecurity measures.

### Cybersecurity Ethics: An Introduction

by Mary Manjikian(1st Edition, Kindle Edition)

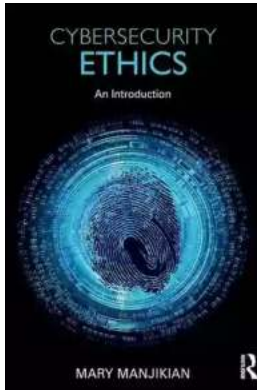
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Screen Reader : Supported



Enhanced typesetting : Enabled  
Word Wise : Enabled  
Print length : 246 pages



## Mary Manjikian's Contribution

Mary Manjikian, a renowned scholar and expert in the field of cybersecurity, has extensively researched and written about the ethical dilemmas faced by professionals in this domain. Her book, "Cybersecurity Ethics: An Introduction," provides valuable insights into the ethical challenges, ranging from privacy concerns to the use of offensive cyber operations.

In her work, Manjikian emphasizes the need for a holistic approach to cybersecurity ethics. She argues that the ethical considerations in cybersecurity extend beyond technical aspects and involve socio-cultural, political, and legal factors as well. By taking these broader perspectives into account, professionals can navigate the complex landscape of cybersecurity in a more responsible manner.

## The Ethical Dilemmas in Cybersecurity

Now, let us explore some of the key ethical dilemmas faced by cybersecurity professionals today:

### 1. Privacy vs. Security

One of the most debated ethical dilemmas is the balance between privacy and security. While the protection of sensitive information is crucial for thwarting cyber threats, it can potentially infringe upon individual privacy rights. Striking the right balance between these two elements is a challenge that cybersecurity professionals grapple with daily.

## 2. Offensive Cyber Operations

Offensive cyber operations, such as hacking back or conducting cyber espionage, raise significant ethical concerns. While these operations may be seen as necessary for national security purposes, they can also violate international laws and norms. Determining the ethical boundaries of offensive cyber activities is a delicate matter that requires critical examination.

## 3. Cybersecurity Workforce Education

As the demand for cybersecurity professionals grows, so does the need for ethical training and education. Ensuring that cybersecurity personnel are well-versed in ethical principles can help maintain accountability and responsible behavior within the industry.

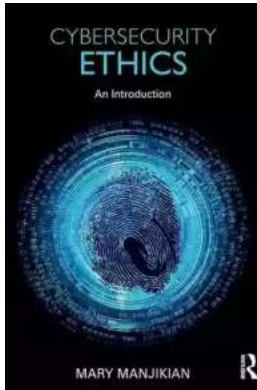
Cybersecurity ethics form the foundation for responsible and sustainable cybersecurity practices. By understanding the ethical challenges and engaging in critical discussions, professionals can strive towards creating a secure digital environment while upholding fundamental rights and values. Mary Manjikian's research and insights offer a valuable starting point for those interested in delving into the complex world of cybersecurity ethics.

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This new textbook offers an accessible to the topic of cybersecurity ethics.

The book is split into three parts. Part I provides an to the field of ethics, philosophy and philosophy of science, three ethical frameworks – virtue ethics, utilitarian ethics and communitarian ethics – and the notion of ethical hacking. Part II applies these frameworks to particular issues within the field of cybersecurity, including privacy rights, intellectual property and piracy, surveillance, and cyberethics in relation to military affairs. The third part concludes by exploring current codes of ethics used in cybersecurity.

The overall aims of the book are to:

- provide ethical frameworks to aid decision making;
- present the key ethical issues in relation to computer security;
- highlight the connection between values and beliefs and the professional code of ethics.

The textbook also includes three different features to aid students: 'Going Deeper' provides background information on key individuals and concepts;

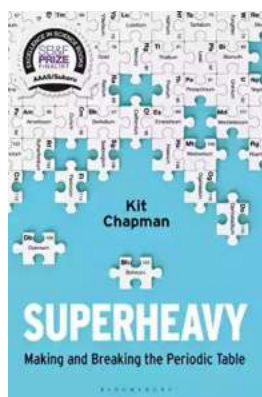
‘Critical Issues’ features contemporary case studies; and ‘Applications’ examine specific technologies or practices which raise ethical issues.

The book will be of much interest to students of cybersecurity, cyberethics, hacking, surveillance studies, ethics and information science.



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