

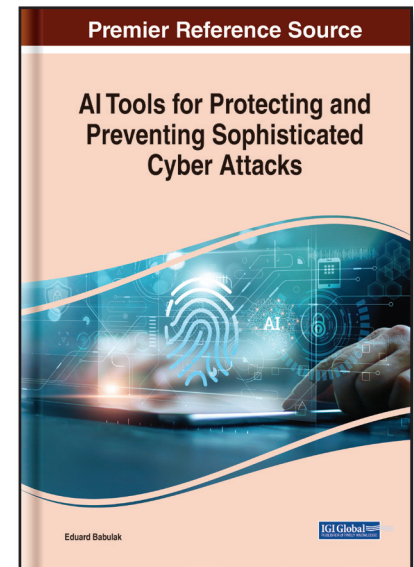
# AI Tools for Protecting and Preventing Sophisticated Cyber Attacks

Part of the Advances in Information Security, Privacy, and Ethics Book Series

Eduard Babulak (National Science Foundation, USA)

## Description:

The ubiquity and pervasive access to internet resources 24/7 by anyone from anywhere is enabling access to endless professional, educational, technical, business, industrial, medical, and government resources worldwide. To guarantee internet integrity and availability with confidentiality, the provision of proper and effective cyber security is critical for any organization across the world.



**AI Tools for Protecting and Preventing Sophisticated Cyber Attacks** illuminates the most effective and practical applications of artificial intelligence (AI) in securing critical cyber infrastructure and internet communities worldwide. The book presents a collection of selected peer-reviewed chapters addressing the most important issues, technical solutions, and future research directions in cyber security. Covering topics such as assessment metrics, information security, and toolkits, this premier reference source is an essential resource for cyber security experts, cyber systems administrators, IT experts, internet and computer network professionals, organizational leaders, students and educators of higher education, researchers, and academicians.

**ISBN:** 9781668471104

**Pages:** 300

**Copyright:** 2023

**Release Date:** May, 2023

**Hardcover:** \$250.00

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**E-Book:** \$250.00

**Hardcover + E-Book:** \$300.00

## Topics Covered:

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Assessment Metrics  
Case Studies  
Cyber Attack Prevention  
Cyber Attacks

Cybersecurity  
Hardware  
Information Security  
Software  
Toolkits

**Subject:** Security and Forensics

**Classification:** Edited Reference

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(Research Recommended)

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