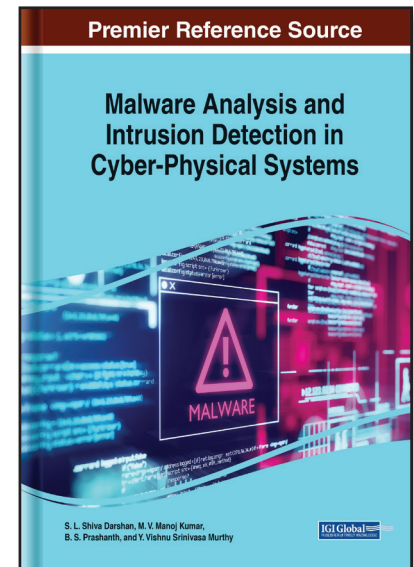


Malware Analysis and Intrusion Detection in Cyber-Physical Systems

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

S. L. Shiva Darshan (Department of Information and Communication Technology, Manipal Institute of Technology, India), M. V. Manoj Kumar (Department of Information Science and Engineering, Nitte Meenakshi Institute of Technology, India), B. S. Prashanth (Department of Information Science and Engineering, Nitte Meenakshi Institute of Technology, India) and Y. Vishnu Srinivasa Murthy (Department of Computational Intelligence, VIT Vellore, India)



Description:

Many static and behavior-based malware detection methods have been developed to address malware and other cyber threats. Even though these cybersecurity systems offer good outcomes in a large dataset, they lack reliability and robustness in terms of detection. There is a critical need for relevant research on enhancing AI-based cybersecurity solutions such as malware detection and malicious behavior identification.

Malware Analysis and Intrusion Detection in Cyber-Physical Systems focuses on dynamic malware analysis and its time sequence output of observed activity, including advanced machine learning and AI-based malware detection and categorization tasks in real time. Covering topics such as intrusion detection systems, low-cost manufacturing, and surveillance robots, this premier reference source is essential for cyber security professionals, computer scientists, students and educators of higher education, researchers, and academicians.

ISBN: 9781668486665

Pages: 310

Copyright: 2023

Release Date: June, 2023

Hardcover: \$225.00

Softcover: \$170.00

E-Book: \$225.00

Hardcover + E-Book: \$270.00

Topics Covered:

Antennas
Challenges
Cyber-Physical Systems
Developments
Human Search and Rescue
Internet of Things (IoT)

Intrusion Detection Systems
Low-Cost Manufacturing
Malware Analysis
Review
Surveillance Robots

Subject: Security and Forensics

Classification: Edited Reference

Readership Level: Advanced-Academic Level
(Research Recommended)

Research Suitable for: Advanced Undergraduate
Students; Graduate Students; Researchers;
Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA