

Springer

1st
edition1st ed. 2018, VI, 334 p. 105
illus., 77 illus. in color.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-3-319-73950-2

\$ 119,99

Available

Discount group

Professional Books (2)

Product category

Contributed volume

Series

Advances in Information Security

Other renditions

Softcover

ISBN 978-3-030-08891-0

Computer Science : Security

Dehghantanha, A., Conti, M., Dargahi, T. (Eds.)

Cyber Threat Intelligence

- Focuses on cyber threat intelligence of recent threats (i.e. ransomware) within emerging IT environments (i.e. IoT, Cloud, Mobile devices)
- One of the first books that focuses on cyber threat intelligence and how different machine learning and data science techniques can be used in this field
- Provides an inter-disciplinary view of cyber threat intelligence and paves the way for future research in the field

This book provides readers with up-to-date research of emerging cyber threats and defensive mechanisms, which are timely and essential. It covers cyber threat intelligence concepts against a range of threat actors and threat tools (i.e. ransomware) in cutting-edge technologies, i.e., Internet of Things (IoT), Cloud computing and mobile devices. This book also provides the technical information on cyber-threat detection methods required for the researcher and digital forensics experts, in order to build intelligent automated systems to fight against advanced cybercrimes. The ever increasing number of cyber-attacks requires the cyber security and forensic specialists to detect, analyze and defend against the cyber threats in almost real-time, and with such a large number of attacks is not possible without deeply perusing the attack features and taking corresponding intelligent defensive actions – this in essence defines cyber threat intelligence notion. However, such intelligence would not be possible without the aid of artificial intelligence, machine learning and advanced data mining techniques to collect, analyze, and interpret cyber-attack campaigns which is covered in this book. This book will focus on cutting-edge research from both academia and industry, with a particular emphasis on providing wider knowledge of the field, novelty of approaches, combination of tools and so forth to perceive reason, learn and act on a wide range of data collected from different cyber security and forensics solutions.

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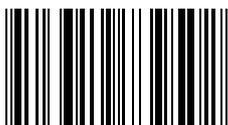
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