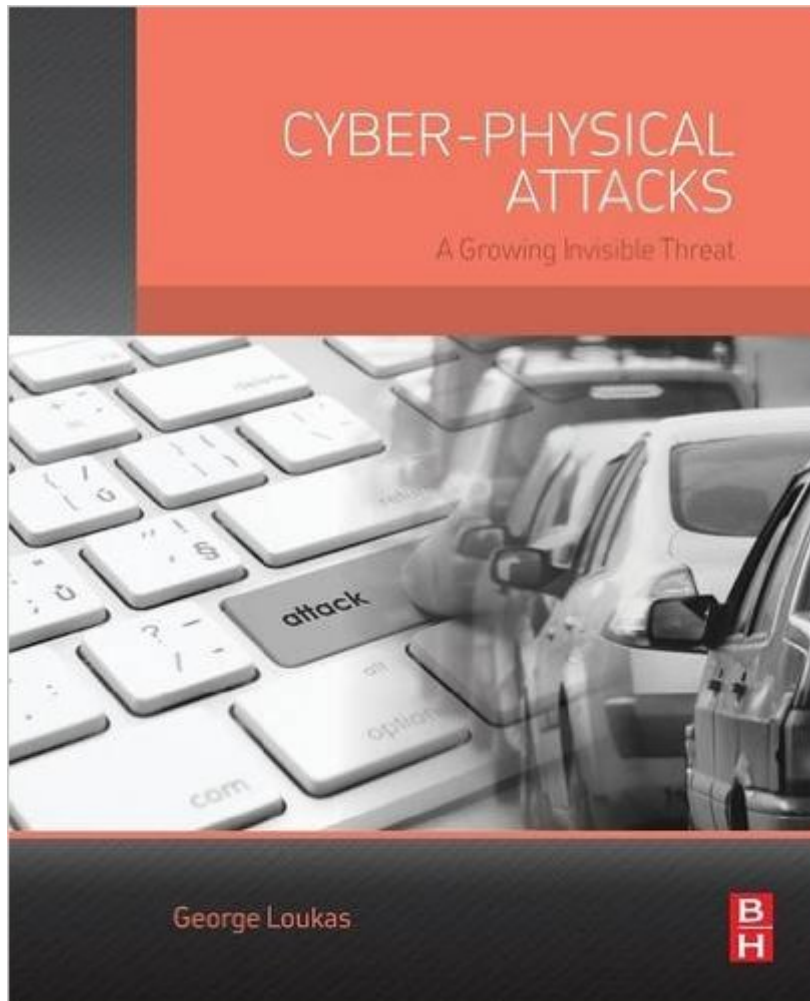# Cyber-Physical Attacks: A Growing Invisible Threat

Synopsis

Cyber-Physical Attacks: A Growing Invisible Threat presents the growing list of harmful uses of computers and their ability to disable cameras, turn off a buildingâ™s lights, make a car veer off the road, or a drone land in enemy hands. In essence, it details the ways cyber-physical attacks are replacing physical attacks in crime, warfare, and terrorism. The book explores how attacks using computers affect the physical world in ways that were previously only possible through physical means. Perpetrators can now cause damage without the same risk, and without the political, social, or moral outrage that would follow a more overt physical attack. Readers will learn about all aspects of this brave new world of cyber-physical attacks, along with tactics on how to defend against them. The book provides an accessible introduction to the variety of cyber-physical attacks that have already been employed or are likely to be employed in the near future. Demonstrates how to identify and protect against cyber-physical threatsWritten for undergraduate students and non-experts, especially physical security professionals without computer science backgroundSuitable for training police and security professionals Provides a strong understanding of the different ways in which a cyber-attack can affect physical security in a broad range of sectorsIncludes online resources for those teaching security management

Book Information

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Customer Reviews

Great book that finally address the subject of Operational Technology cyber security. This is a space of rapid convergence and Mr. Loukas does a great job at keeping the information useful. I

have recommended to dozens of colleges in this space.

Introduction on the various methods for cyber-physical attacks. I would not recommend this book for professionals in the field because it doesn't offer much more than an overview and as such is quickly dated like the examples in the book. But it is a comprehensive treatment of the field and as such a useful book for education including questions and exercises per chapter.

Excellent coverage of the topic

Extremely well written and uniquely insightful; I would list as one of my top three books to have if dealing with the security of critical infrastructure.

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