Foreword

After the 9/11 attacks on the U.S. cultivated a national-level effort of governmental synchronization to include military defense that is reinforced by industry to safeguard our freedom and critical infrastructures through a solidified fortress to thwart terrorism, threats, or attacks—this is known as our homeland security. Industry serves as a platform to develop technologies to strengthen existing homeland security practices and capabilities. Homeland security is a dynamic capability that is constantly under attack by a myriad of threats. Therefore, the U.S. counterbalances freedom and security by integrating new technologies and procedures to subjugate or counter threats, terrorism, or hazards. As a sovereign nation, our freedom and national security must remain undeterred and protected through impenetrable layers of defenses that are reinforced by patriotic wherewithal to protect our homeland.

Academic research is essential in providing comprehensive information regarding homeland security, threats and countermeasures. Since the inception of the Department of Homeland Security researchers continue to author countless articles forging the foundational understanding of homeland security. As a world superpower, the U.S. comes under direct and indirect attacks daily, ranging from terrorism, cyber-attacks, espionage, or natural disasters. Research on homeland security, threats, and countermeasures assists practitioners with developing processes, laws, and policies to support our national security. Threats to our national security are complex and incalculable, especially the terrorization that targets critical infrastructures. Another medium that the malicious actors utilize to threaten our homeland security is cyber security. The internet of things, digitized communications, hyperconnectivity, and portable electronic devices provide a reliable and effective means that enable malicious actors to threaten our national security at will.

Congratulations to book’s editors for envisioning and spearheading this research to advance the understanding of homeland security. This book serves as a platform to provide insight on various topics regarding homeland security as well as adds invaluable contributions to the existing body of knowledge. This book contains brilliant research by contributing authors that articulate the challenges and methods to improve homeland security and enhance the theoretical understanding for practitioners in the homeland security field.

Calvin Nobles is from Mount Vernon, GA and is currently serving in the United States Navy. Dr. Nobles earned a B.S. in Management, a Masters in Aeronautical Science, a Masters in Military Operational Art and Strategy, a Masters of Business Administration, and a Ph.D. in Business Administration. Dr. Nobles’ professional works consist of leading personnel and project management in aviation, cryptology, operations, and military planning domains. He is a commercial rated pilot and general
aviation enthusiast. Dr. Nobles is committed to contributing to the body of knowledge and solidifying the theoretical underpinning for practitioners. He is particularly interested in cyber security, critical infrastructures, technology implementation, technological discontinuities, disruptive innovations, and the adverse implications caused by the continuous integration of new technologies.

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