Acknowledgment

The premise for this book was born out of the tragedy that struck us all on September 11, 2001. Since that terrible day, countless numbers of individuals have contributed to make this country safer. Some of those efforts have been made possible by the Department of Homeland Security Centers of Excellence, and we would like to take a moment to acknowledge the importance of their work and the progress we have made as a nation, in part, thanks to these contributions. We thank the chapter contributors, who took time out of often very packed schedules to share the wonderful work being done in these Centers of Excellence.

We thank the contributors from Rutgers University for discussing the challenges of obtaining credible data for Transportation Security Modeling as well as possible mitigation strategies. We thank the contributors from Stevens Institute of Technology for promoting the layered surveillance efforts from the DHS National Center of Excellence in Maritime Security’s Maritime Domain Awareness technologies. In addition, we acknowledge their efforts with the following: a summer research institute designed to engage multidisciplinary student teams in rigorous hands-on maritime security; remote sensing; emergency response and management research; and their discussion on Intergovernmental Relationships between Native American tribes, the states, and the Federal Government regarding Homeland Security and Emergency Management Policy.

We thank the contributors from Morgan State University and Central Michigan University for providing insight into the educational and research programs of the Command, Control, and Interoperability Center for Advanced Data Analysis as well as Morgan’s efforts to strengthen STEM teaching and learning in addition to DHS-related research. We thank contributors from the Missouri University of Science and Technology for shedding light on methods for detecting and locating two different types of radio receivers, which improves the nation’s capability to detect potential explosive threats at greater distances. We thank contributors from George Mason University School of Law for discussing their infrastructure protection higher education initiative. Lastly, we thank the contributor from University of Baltimore
for reviewing training efforts designed to increase the number of teachers with proficient STEM skills in an urban school district.

We would also like to thank the members of the Editorial Advisory Board, who provided critical guidance in the early stages of the development process. The board was instrumental in preparing and distributing the call for cases as well as evaluating the proposals that were submitted. They also provided invaluable support in coordinating the review process and conducting the reviews for all the cases.

We would further like to thank Robert J. Coullahan for taking the time to succinctly capture the significance for the contribution of this book. Finally, special thanks to the DHS Science and Technology Directorate, Office of University Programs directors and managers for their support and technical assistance across the research projects that have been developed. The authors take responsibility for the content associated with this publication.

Cecelia Wright Brown  
University of Baltimore, USA

Kevin A. Peters  
Morgan State University, USA

Kofi Adofo Nyarko  
Morgan State University, USA