

# Contents

<b>Introduction</b> . . . . .	1
Concetta Pragliola, Roberto Setola, Antonio Sforza and Valeria Vittorini	
<b>Towards Integrated Railway Protection</b> . . . . .	13
Jacques Colliard	
<b>The Railway Security: Methodologies and Instruments for Protecting a Critical Infrastructure</b> . . . . .	25
Franco Fiumara	
<b>Vulnerability Assessment in RIS Scenario Through a Synergic Use of the CPTED Methodology and the System Dynamics Approach</b> . . . . .	65
Francesca De Cillis, Maria Carla De Maggio and Roberto Setola	
<b>Cumana and Circumflegrea Railway Lines: A Circle Network in the Western Metropolitan Area of Naples</b> . . . . .	91
Arturo Borrelli, Francesco Murolo, Antonio Sforza and Claudio Sterle	
<b>Coping with Suicide Bombing Israel Railways Security Challenges 2000–2005</b> . . . . .	109
Chanan Graf and Yuval Alon	
<b>Technologies for the Implementation of a Security System on Rail Transportation Infrastructures</b> . . . . .	123
Pasquale D’Amore and Annarita Tedesco	
<b>A Model-Driven Process for Physical Protection System Design and Vulnerability Evaluation</b> . . . . .	143
Valeria Vittorini, Stefano Marrone, Nicola Mazzocca, Roberto Nardone and Annarita Drago	

<b>Optimal Location of Security Devices . . . . .</b>	<b>171</b>
Antonio Sforza, Stefano Starita and Claudio Sterle	
<b>The METRIP Tool . . . . .</b>	<b>197</b>
Stefano Marrone, Nicola Mazzocca, Concetta Pragliola, Antonio Sforza, Claudio Sterle and Valeria Vittorini	
<b>Optimizing Investment Decisions for Railway Systems Protection . . . .</b>	<b>215</b>
Maria Paola Scaparra, Stefano Starita and Claudio Sterle	
<b>The Security into the Metro System: The Copenhagen Metro Experience . . . . .</b>	<b>235</b>
Klaus Hestbek Lund, Annarita Tedesco and Michele Bigi	

Railway Infrastructure Security

Setola, R.; Sforza, A.; Vittorini, V.; Pragliola, C. (Eds.)

2015, XIV, 249 p. 114 illus., Hardcover

ISBN: 978-3-319-04425-5