

Contents

<i>Acknowledgments</i>	viii
<i>List of figures</i>	x
<i>List of tables</i>	xii
<i>List of contributors</i>	xv
<i>List of abbreviations</i>	xxii

Introduction	1
BANDANA KAR AND DAVID M. COCHRAN, JR.	

PART 1	
Risk communication in the digital era	5

1 Text-to-action: understanding the interaction between accessibility of Wireless Emergency Alerts and behavioral response	9
DEEDEE BENNETT AND SALIMAH LAFORCE	

2 Bounded rationality and federal disaster recovery information: understanding why access to information matters	27
JASON D. RIVERA	

3 Public expectations of and responses to WEA message content	46
BANDANA KAR, DAVID M. COCHRAN, JR., JOSLYN ZALE, NICOLE E. CALLAIS, AND XIAOHUI LIU	

PART 2	
Citizen participation in risk communication and resilience	65

4 River of difference: using participatory risk mapping to assess perceived risks in Laredo, Texas, U.S.A., and Nuevo Laredo, Tamaulipas, Mexico	69
ANDREW M. HILBURN AND THOMAS T. ZAWISZA	

5	Local Emergency Planning Committees (LEPCs): 30 years as cross-sector forums for community risk communication	86
	AVA M. CHRISTIE	
6	Harnessing the power of social media for disaster risk reduction and the mitigation planning process	104
	SUZANNE L. FREW	
7	Promoting public involvement in disaster risk communication in Nigeria	123
	OLUPONMILE OLONILUA	
PART 3		
	Role of risk communication in resilience	135
8	Earthquake early warning systems: international experience	139
	FRANCES L. EDWARDS, DANIEL C. GOODRICH, MARGARET HELLWEG, AND JENNIFER A. STRAUSS	
9	The role of social media in enhancing risk communication and promoting community resilience in the midst of a disaster	165
	KATHRYN E. ANTHONY, STEVEN J. VENETTE, ANDREW S. PYLE, BRANDON C. BOATWRIGHT, AND CARRIE E. REIF-STICE	
10	The Ports Resilience Index: a participatory approach to building resilience	179
	LAUREN L. MORRIS AND TRACIE SEMPIER	
11	Advancing resilience post-disaster: improving designer–user communication in the post-Lushan earthquake reconstruction and recovery	198
	HAORUI WU	
PART 4		
	Challenges and future direction of risk communication	211
12	A case study of climate change, extreme weather events, and risk communication in a coastal community	215
	CHRISTOPHER A. CRAIG, ELIZABETH L. PETRUN SAYERS, AND SONG FENG	

13	Waves of change: coastal hazards, tourism development, and risk communication along the Pacific coast of Nicaragua	235
	MATTHEW L. FAHRENBRUCH	
14	Risk and crisis communication in schools: understanding current challenges and opportunities	249
	TYLER G. PAGE, BROOKE FISHER LIU, HOLLY ANN ROBERTS, AND MICHAEL EGNOTO	
15	The use of social media in crisis communication	267
	AMBER SILVER	
	<i>Index</i>	283