

Communicating Global To Local Resiliency A Case Study Of The Transition Movement Communication Globalization And Cultural Identity

This one-stop reference provides the state-of-the-art theory, key strategies, protocols, deployment aspects, standardization activities and experimental studies of communication and networking technologies for the smart grid. Expert authors provide all the essential information researchers need to progress in the field and to allow power systems engineers to optimize their communication systems. This book explores the concept and practice of resilience that has generated much debate among both scholars and practitioners. The contributions propose a new understanding of resilience, both as a quality and a way of thinking, taking it to the level of 'the person' and 'the local', to argue that a more sustainable way to govern the world today is bottom-up and inside-out. While carrying a seemingly unifying message of self-reliance, adaptation and survival in the face of adversity, resilience curiously continues to appear as 'all things to all people', making it hard for the EU and international institutions to make full use of its arresting potential. Engendering resilience today, in the highly volatile and uncertain world hit by crises, pandemic and diminishing control, becomes a priority as never before. This book develops a more comprehensive view of resilience by looking at it both as a quality of the system and a way of thinking inherent to 'the local' that cannot be engineered from the outside. It is argued in this volume that in some cases the level of 'the person', especially the person's sense of what constitutes a 'good life', may be the most appropriate focus for understanding change and strategic adaptation in response to it. This understanding widens the scope of discussion from what makes an entity, system or person more adaptable, to how one can best govern today to establish a stable equilibrium between the global and the local, the external and the internal, and become more responsive to the challenges and changes of today's highly uncertain world. The chapters in this book were originally published in the journal Contemporary Security Policy.

Technological advances have helped to enhance disaster resilience through better risk reduction, response, mitigation, rehabilitation and reconstruction. In former times, it was local and traditional knowledge that was mainly relied upon for disaster risk reduction. Much of this local knowledge is still valid in today's world, even though possibly in different forms and contexts, and local knowledge remains a shared part of life within the communities. In contrast, with the advent of science and technology, scientists and engineers have become owners of advanced technologies, which have contributed significantly to reducing disaster risks across the globe. This book analyses emerging technologies and their effects in enhancing disaster resilience. It also evaluates the gaps, challenges, capacities required and the way forward for future disaster management. A wide variety of technologies are addressed, focusing specifically on new technologies such as cyber physical systems, geotechnology, drone, and virtual reality (VR)/augmented reality (AR). Other sets of emerging advanced technologies including an early warning system and a decision support system are also reported on. Moreover, the book provides a variety of discussions regarding information management, communication, and community resilience at the time of a disaster. This book's coverage of different aspects of new technologies makes it a valuable resource for students, researchers, academics, policymakers, and development practitioners.

In the face of what seems like a concerted effort to destroy the only planet that can sustain us, critique is an important tool. It is in this vein that most scholars have approached environmental crisis. While there are numerous texts that chronicle contemporary issues in environmental ills, there are relatively few that explore the possibilities and practices which work to avoid collapse and build alternatives. The keyword of this book's full title, 'Perma/Culture,' alludes to and plays on 'permaculture', an international movement that can provide a framework for navigating the multiple 'other worlds' within a broader environmental ethic. This edited collection brings together essays from an international team of scholars, activists and artists in order to provide a critical introduction to the ethico-political and cultural elements around the concept of 'Perma/Culture'. These multidisciplinary essays will include a varied landscape of sites and practices, from readings from ecotopian literature to an analysis of the intersection of agriculture and art; from an account of the rewards and difficulties of building community in Transition Towns to a description of the ad hoc infrastructure of a fracking protest camp. Offering a number of constructive models in response to current global environmental challenges, this book makes a significant contribution to current eco-literature and will be of great interest to students and researchers in Environmental Humanities, Environmental Studies, Sociology and Communication Studies.

Imagining Alternatives: In an Age of Crisis
Second International Conference on Autonomous Infrastructure, Management and Security, AIMS 2008 Bremen, Germany, July 1-3, 2008, Proceedings
8th International Conference, EuroHaptics 2012, Tampere, Finland, June 13-15, 2012 Proceedings, Part I
Transforming Theory to Action
A Cross-Cultural Analysis
Perma/Culture
Resilient Controls for Ordering Uncertain Prospects
This is a seminal book for anyone who wants to understand, shape or study the communication surrounding sustainability in their interactions with colleagues, employees, supply chain partners and external stakeholders. It develops essential insights on the basis of an extensive review of relevant theories and research drawn from multiple disciplines. Interview data gathered from organization members who are currently communicating about sustainability in their cities, universities, nongovernmental organizations, small businesses and large for-profit organizations provide valuable insights from a practitioner's perspective. The interviewees represent organizations such as the Portland Trailblazers, Tyson Foods, the City and County of Denver and the Natural Resources Defense Council. Theory, research and interview comments combine in a reader-friendly way to provide practical insights and stimulate future research.

The representation of Islam is unquestionably a critical test for comparing journalistic reporting across countries and cultures. The Islamic religion has weight in international reporting (defining what we termed "foreign Islam"), but it is also the religion of numerically important minority groups residing in Europe ("national Islam"). The first part of the book is "setting the scene." Three chapters provide insights in dominant patterns of the representation of Islam as detected by various authors and studies involved with Islam representation in Europe. Part two, the core section of the book, contributes to the development of the field of comparative journalism studies by comparing several countries and six media systems in Western Europe: the Dutch-speaking part of Belgium (Flanders), the French-speaking part of Belgium (Wallonia), the Netherlands, France, Germany, and the U.K. Part three of this book presents two reception studies, one qualitative and the other quantitative. Equally important, as the bulk of attention goes to Western Europe, is the extension towards the representation of Muslims and Islam outside Western Europe. Part four of the book is devoted to the representation of Islam in some of the so-called BRICS-countries: Russia, China, and India.

Social Inequalities, Media, and Communication: Theory and Roots provides a global analysis of the intersection of social inequalities, media, and communication. This book contains chapter contributions written by scholars from around the world who engage in country- and region-specific case studies of social inequalities in media and communication. The volume is a theoretical exploration of the classical, structuralist, culturalist, postmodernist, and postcolonial theoretical approaches to inequality and how these theoretical discourses provide critical understanding of social inequalities in relation to narratives shaped by media and communication experiences. The contributors provide class and gender analyses of media and culture, engage theoretical discourses of inequalities and capitalism in relation to communication technologies, and explore the cyclical relationship of theory and praxis in studying inequalities, media, and communication.

This collection examines the different forces and factors that affect professional writing and communication practices in various social, economic, political, and technological contexts in the nations of the former Soviet Union and the former Eastern Bloc.

Proceedings of First International Conference on Computational Electronics for Wireless Communications

Resilient Operation of Distribution Grids with Distributed-Hierarchical Architecture

Making Environmental Messaging Accessible

Emerging Technologies for Disaster Resilience

Proceedings of the 13th International Conference on Ubiquitous Information Management and Communication (IMCOM) 2019

Resilient Cities 2

Resilience by Teaming in Supply Chains and Networks

Assembling papers originally presented at the Resilient Cities 2011 Congress in Bonn, Germany (June 2011), the second global forum on cities and adaptation to climate change, this volume is the second in a series resulting from this annual event. These cutting-edge papers represent the latest research on the topic and reflect the intensification of the debate on the meaning of and interaction between climate adaptation, risk reduction and broader resilience. Thus, contributors offer more material related to resilience, such as water, energy and food security, green infrastructure, the role of renewables and ecosystem services, vulnerable communities and urban poor, and responsive financing for adaptation and multi-level governance. Overall, the book brings a number of different perspectives to bear on the most pressing issues and controversies surrounding climate change adaptation in cities. These papers will prove invaluable to anyone interested in deepening their understanding of urban resilience and contributing to tackling climate change at the local level. This volume of the Lecture Notes in Computer Science series contains the papers accepted for presentation at the Second International Conference on Autonomous Infrastructure, Management and Security (AIMS 2008). The conference took place in Bremen, Germany, hosted by the Jacobs University Bremen. AIMS 2008 was -ganized and supported by the EC IST-EMANICS Network of Excellence (#26854) in cooperation with ACM SIGAPP and ACM SIGMIS and co-sponsored by IFIP WG 6.6 and Jacobs University Bremen. This year's AIMS 2008 constituted the second edition of a single-track and standalone conference on management and security aspects of distributed and autonomous systems, which took place initially in Oslo, Norway in June 2007. The 7rst objective of the AIMS conference series is to stimulate the exchange of ideas in a cross-disciplinary forum where there is sufficient time for discussion of novel ideas. A second objective is to provide a forum for doctoral students to discuss their research ideas in a wider audience and to receive training to help make their research careers successful. To this end, AIMS includes a PhD workshop and a tutorial program that is offered as part of the main conference program.

Resilient supply chains and networks are inherently complex, formed by a large number of self-governing interconnected agents which dynamically update their behavior rules and connections based on context and environment changes. Oftentimes, these complex systems fail, almost inexplicably, due to unforeseen events leading to disruption. Exploration and research of the mechanisms behind the failure of supply chains and networks have revealed that those capable of surviving are not only robust, but resilient. The purpose of this book is to explain the meaning of resilience and its design in the broad context, and with a focus on the design and management of supply chains and supply networks. Written by Dr. Reyes Levalle, an experienced supply chains designer and supply networks engineer, the book is intended for beginners and advanced professionals, students, designers, policy makers, and managers. It is a pioneering effort to base resilience engineering and management on CCT, the collaborative control theory and tools. Smart, Resilient and Transition Cities: Emerging Approaches and Tools for Climate-Sensitive Urban Development starts with a presentation of three widespread Urban Metaphors, which are gaining increasing attention from urban planners and decision-makers: Smart City, Resilient City and Transition Towns, being all of them focused on the need for enhancing cities' capacities to cope with the multiple and heterogeneous challenges threatening contemporary cities and their future development and, above all, with climate issues. Then, the Authors provide an overview of current large-scale and urban strategies to counterbalance climate change so far undertaken in different geographical contexts (Europe, United States, China, Africa and Australia), shedding light on the different approaches, on the different weights assigned to mitigation and adaptation issues as well as on the main barriers hindering their effectiveness and translation into measurable outcomes. Opportunities and criticalities arising from the rich, 'sprawled' and 'blurred' landscape of current strategies and initiatives in the face of climate change pave the way to a discussion on the lessons learnt from current initiatives and provide new hints for developing integrated climate strategies, capable to guide planners and decision makers towards a climate sensitive urban development. Smart, Resilient and Transition Cities: Emerging Approaches and Tools for Climate-Sensitive Urban Development merges a scientific approach with a pragmatic one. Through a case study approach, the Authors explore strengths and weaknesses of institutional and informal practices to foreground innovative paths for an adaptive process of urban governance in the face of climate change. The book guides the reader along new governance paths, characterized by continuous learning and close cooperation and communication among different actors and stakeholders and, in so doing, helps them to overcome current 'siloed' approaches to climate issues. Links resilience, smart growth, low-carbon urbanism, climate-friendly cities, sustainable development and transition cities, being all these concepts crucial to improve effective climate policies. Includes a number of case studies showing how cities, different in size, geographical, cultural and economic contexts are currently dealing with climate issues, grasping synergies and commonalities arising from current institutional practices and transition initiatives. Provides strategic and operative guidelines to overcome barriers and critical issues emerging from current practices, promoting cross-sectoral approaches to counterbalance climate change.

Communicating Climate Change

Theory and Practice

Resilient Borders and Cultural Diversity

Proceedings On Responsive & Resilient Quality Education

Cities and Adaptation to Climate Change - Proceedings of the Global Forum 2011

Global Climate Change: Resilient and Smart Agriculture

Communicating Global to Local Resiliency

This important text addresses the latest issues in end-to-end resilient routing in communication networks. The work highlights the main causes of failures of network nodes and links, and presents an overview of resilient routing mechanisms, covering issues related to the Future Internet (FI), wireless mesh networks (WMNs), and vehicular ad-hoc networks (VANETs). Features: discusses FI architecture for network virtualization; introduces proposals for dedicated and shared protection in random failure scenarios and against malicious activities; describes measures for WMN survivability that allow for evaluation of performance under multiple failures; proposes a new scheme to enable proactive updates of WMN antenna alignment; includes a detailed analysis of the differentiated reliability requirements for VANET applications, with a focus on issues of multi hop data delivery; reviews techniques for improving the stability of end-to-end VANET communication paths based on multipath routing and anycast forwarding.

This book and its companion volume, LNCS 7282 and 7283, constitute the refereed proceedings of the 8th International Conference, EuroHaptics 2012, held in Tampere, Finland, in June 2012. The 99 papers (56 full papers, 32 short papers, 11 demo papers) presented were carefully reviewed and selected from 153 submissions. Part I contains the full papers whereas Part II contains the short papers and the demo papers.

This book scrutinizes the media portrayals of (ethnic/religious) minorities in Germany, encompassing the fields of public affairs, media effects, political communication, multiculturalism, populism in the media and popularized uses of collective identities. It compares the political discourse (Bundestag plenary protocols) with the mainstream discourse (mainstream press) in Germany over the sample period of 2009-2015, and explores a multi-layered debate from different perspectives by combining quantitative and qualitative methodologies. Moreover, this research intends to detect, analyze and connect the dots between recurrent themes, news stories, actors, events and ideologies within the delicate debate on minorities in Germany's multicultural society. The mixed-methods approach includes content analysis, template analysis, relational discourse analysis, latent class cluster analysis and multinomial logistic regression. The interdisciplinary approach of this research presents various aspects of social sciences, such as media and communication studies (agenda-setting theory), social psychology (social-identity theory), media sociology (discursive power), political science (right-wing populism) and anthropology (race and ethnicity). This extensive research is meant to contribute to existing political efforts and academic studies, in order to fully grasp the dynamics of German immigration and integration policies.

The Praxis of Social Inequality in Media: A Global Perspective provides a global analysis of the intersection of social inequalities, media, and communication. This volume contains chapters by an international array of scholars and provides case studies from various countries with critical empirical analysis of social inequalities and how they shape media narratives and experiences. The topics examined here include poverty in the media in Britain and Turkey, technology and inequality in Italy and Bangladesh, gender, inequality, and empowerment in India, Mexico, and Australia, and cross national analysis of rape culture, among others.

When the ride ends

Resilient Food System Tailored SHARED Toolbox

Change and Response

Icwcs 2015 - The Proceedings of the 10th International Conference on Cyber Warfare and Security

Case Studies in Climate Change Communication

Smart Grid Communications and Networking

Disaster Resilience

The primary aim of this textbook is to contribute towards the promotion of human security by educating nurses with a profound understanding of disaster nursing and to conduct innovative research and practices in cooperation. This textbook emphasizes on multi-professional connections; offers knowledge on how Japanese disaster nursing got evolved in changing social contexts and provides various case studies that reflect wonderful practices in the disaster nursing field which have contributed to the Sendai Framework for Disaster Risk Reduction, the UN Sustainable Development Goals, and sustainable security. Frequent disasters have triggered the need for more trans-disciplinary work, high-level care throughout all phases of a disaster event, and the need for nursing leaders. Apart from hospitals, in local communities, nurses can take a role to mitigate health risks. Being a member of every part of the healthcare system, they can become critically needed leaders in emergency management and disaster preparedness. This work includes a DRR Framework and the application to disaster nursing, information on preparedness and community resilience and on the related disciplines and coordination with disaster nursing. It informs on the challenges in disaster nursing, offers instructional design, education development and research in disaster nursing. Students, professional nurses, clinicians, community health practitioners, health volunteers, disaster support organizations, researchers, and community partners who are involved in the care of disaster survivors can use this resource. Written by distinguished experts with diverse backgrounds of nursing, public health, health informatics, and geography, this book shows how practitioners, researchers, policymakers, and multiple community stakeholders who can collaborate effectively and efficiently to restore primary health care of survivors after a local disaster.

The acceleration of media culture globalization processes cross-fertilization and people's exchange beyond the confinement of national borders, but not all of them lead to substantial transformations of national identity or foster cosmopolitan outlook in terms of openness, togetherness and dialogue within and beyond the national borders. Whilst national borders continue to become more and more porous, the measures of border control are constantly reformulated to tame disordered flows and tightly re-demarcate the borders-materially, physically, symbolically and imaginatively. Border crossing does not necessarily bring about the transgression of borders. Transgression of borders requires one to fundamentally question how borders in the existing form have been socio-historically constructed and also seek to displace their exclusionary power that unevenly divide "us" and "them" and "here" and "there". The book examines how media culture and the management of people's border crossing movement combine with Japan's cultural diversity to institute the creation of national cultural borders in Japanese millennials. Critical analysis of this development is a pressing matter if we are to seriously consider how to make Japan's national cultural borders more inclusive and dialogic.

Resilience as a concept has become embedded in public policy discourse within countries across the world in a wide range of contexts—planning, education, emergency management, and supply chains. The goal of this book is to assist future community leaders and professionals with the subsystem components and the actions that must be taken to insure community resilience, and to alert them to the potential pitfalls when adapting their community to the challenges that continually change. The development of trust among and between diverse members of communities and the political and economic leaders is essential if our views of how to build resilience are to change. The book is divided into five sections. The first section explores the challenges of transformational change, building community resilience with alternative frameworks, and resilience in time and space with lessons from ecology. Section II covers the building of hazard resilient communities through technology, microscale disaster and local resilience, the building of resilient cities by harnessing the power of urban analytics, and the failure to describe and communicate the possible future climate change scenarios. Section III examines challenges for urban theory when conceptualizing financial resilience, the role of social capital in community disaster resilience, the challenges of citizen engagement and resilience in the Dutch disaster management, and the rationalities of extraction and resilience of fossil-fueled vulnerability in an age of extreme energy. Section IV explores shifting from risks to consequences when building resilience to mega-hazards, resilience and small island nations, the sea level rise, demographics and rural resilience on Maryland's Eastern shore, and the epicenter of community resilience in the California's San Francisco Bay Area. Section V discusses observations and challenges on building community resilience in the twenty-first century. This highly informative and indispensable volume will be meaningful for future community leaders, citizens, stakeholders, government officials, emergency management, and crisis interveners.

his tool kit is the result of a tailored engagement approach and training process that was carried with the Resilient Food Systems (RFS) country projects based on the SHARED approach. The process was initiated with a series of consultation interviews and was followed by a set of virtual training events customized to the priorities of the country projects. Reflections by country projects provided feedback on the training as well as insights for future engagement and inclusion of the SHARED tools, methods and approaches.

Theory and Roots

Resilient Cities

A National Imperative

Risk Communication and Community Resilience

A Case Study of the Transition Movement

Resilient Routing in Communication Networks

The Positioning and Making of Female Professors

Providing readers with a detailed examination of resilient controls in risk-averse decision, this monograph is aimed toward researchers and graduate students in applied mathematics and electrical engineering with a systems-theoretic concentration. This work contains a timely and responsive evaluation of reforms on the use of asymmetry or skewness pertaining to the restrictive family of quadratic costs that have been appeared in various scholarly forums. Additionally, the book includes a discussion of the current and ongoing efforts in the usage of risk, dynamic game decision optimization and disturbance mitigation techniques with output feedback measurements tailored toward the worst-case scenarios. This work encompasses some of the current changes across uncertainty quantification, stochastic control communities, and the creative efforts that are being made to increase the understanding of resilient controls. Specific considerations are made in this book for the application of decision theory to resilient controls of the linear-quadratic class of stochastic dynamical systems. Each of these topics are examined explicitly in several chapters. This monograph also puts forward initiatives to reform both control decisions with risk consequences and correct-by-design paradigms for performance reliability associated with the class of stochastic linear dynamical systems with integral quadratic costs and subject to network delays, control and communication constraints.

How will the ecological and economic crises of the 21st century transform health systems and human wellbeing?

These Proceedings are the work of researchers contributing to the 10th International Conference on Cyber Warfare and Security ICCWS 2015, co hosted this year by the University of Venda and The Council for Scientific and Industrial Research. The conference is being held at the Kruger National Park, South Africa on the 24 25 March 2015. The Conference Chair is Dr Jannie Zaaiman from the University of Venda, South Africa, and the Programme Chair is Dr Louise Leenen from the Council for Scientific and Industrial Research, South Africa.

This thesis is about the design and the implementation of a resilient grid operation for the distribution grid. This research question is induced by the advancing of three trends: Decarbonisation, decentralisation and digitalisation. These three trends transform the hitherto passive distribution grid into an active system that contains an active operation. The term "resilience" describes capabilities of the system to absorb, to adapt, and to recover from faults and disturbances. This concept is realised on the one hand with the choice of the operation architecture, on the other hand for the choice of possible methods and functions. This thesis develops a distributed-hierarchical operation architecture. For this architecture several methods have been developed that optimally benefit from the operation architecture and that allow the fully automated operation of the distribution grid. For that purpose a heuristic optimisation has been developed to solve problems like voltage profile violations and congestions. Another important method, especially with regard to resilience, is the self-healing capability to resupply clients after permanent faults.

Cities and Adaptation to Climate Change - Proceedings of the Global Forum 2010

Enhancing inclusive and evidence-based policy development

ICCW52015

12th International Conference, SecureComm 2016, Guangzhou, China, October 10-12, 2016, Proceedings

Perspectives on Rhetoric, Writing, and Professional Communication in Post-Soviet Spaces

Emerging Approaches and Tools for A Climate-Sensitive Urban Development

The Role of Mainstream Media, Discourse Relations, and Political Alliances

This comprehensive handbook provides a unique overview of the theory, methodologies and best practices in climate change communication from around the world. It fosters the exchange of information, ideas and experience gained in the execution of successful projects and initiatives, and discusses novel methodological approaches aimed at promoting a better understanding of climate change adaptation. Addressing a gap in the literature on climate change communication and pursuing an integrated approach, the handbook documents and disseminates the wealth of experience currently available in this field. Volume 3 of the handbook provides case studies from around the world, documenting and disseminating the wealth of experiences available.

This edited collection focuses on theoretical and applied research-based observations concerning how experts, advocates, and institutions make climate change information accessible to different audiences. Communicating Climate Change concentrates on three key elements of climate change communication - access, relevance, and understandability - to provide an overview of how these aspects allow multiple groups of stakeholders to act on climate-related information to build resilience. Featuring contributions from a wide range of scholars from across different disciplines, this book explores a multitude of different scenarios and communication methods, including social media; public opinion surveys; participatory mapping; and video. Overall, climate change communication is addressed from three different perspectives: communicating with the public; communicating for stakeholder engagement; and organizational, institutional, risk, and disaster communication. With each chapter focusing on implications and applications for practice, this book will be of great interest to students and researchers of climate change and environmental communication, as well as practitioners interested in understanding how to better engage stakeholders through climate change-related communication.

This handbook brings together multidisciplinary and internationally diverse contributors to provide an overview of theory, research, and practice in the nonprofit and nongovernmental organization (NGO) communication field. It is structured in four main parts: the first introduces metatheoretical and multidisciplinary approaches to the nonprofit sector; the second offers distinctive structural approaches to communication and their models of reputation, marketing, and communication management; the third focuses on nonprofit organizations' strategic communications, strategies, and discourses; and the fourth assembles campaigns and case studies of different areas of practice, causes, and geographies. The handbook is essential reading for scholars, educators, and advanced students in nonprofit and NGO communication within public relations and strategic communication, organizational communication, sociology, management, economics, marketing, and political science, as well as a useful reference for leaders and communication professionals in the nonprofit sector.

In light of impending global climate and financial crises, it is imperative to analyze models for positive social change that are focused on building community resiliency and sustainability. This book explores the communication processes of the Transition Movement, a community-led global social movement, as it was adapted in a local context.

Negotiating Group Identities in Multicultural Germany

Social Inequalities, Media, and Communication

Guide to Disaster-Resilient Communication Networks

Haptics: Perception, Devices, Mobility, and Communication

Disaster Nursing, Primary Health Care and Communication in Uncertainty

Resilient Networks and Services

Handbook of Climate Change Communication: Vol. 3

This book constitutes the refereed conference proceedings of the 12th International Conference on Security and Privacy in Communications Networks, SecureComm 2016, held in Guangzhou, China, in October 2016. The 32 revised full papers and 18 poster papers were carefully reviewed and selected from 137 submissions. The papers are organized thematically starting with mobile and network security, followed by applied cryptography, web security and privacy, system security, hardware security. The volume also includes papers from the ATCS workshop and the poster session.

Places or places is immune from disasters or disaster-related losses. Infectious disease outbreaks, acts of terrorism, social unrest, or financial disasters in addition to natural hazards can all lead to large-scale consequences for the nation and its communities. Communities and the nation thus face difficult fiscal, social, cultural, and environmental choices about the best ways to ensure basic security and quality of life against hazards, deliberate attacks, and disasters. Beyond the unquantifiable costs of injury and loss of life from disasters, statistics for 2011 alone indicate economic damages from natural disasters in the United States exceeded \$55 billion, with 14 events costing more than a billion dollars in damages each. One way to reduce the impacts of disasters on the nation and its communities is to invest in enhancing resilience—the ability to prepare and plan for, absorb, recover from and more successfully adapt to adverse events. Disaster Resilience: A National Imperative addresses the broad issue of increasing the nation's resilience to disasters. This book defines "national resilience," describes the state of knowledge about resilience to hazards and disasters, and frames the main issues related to increasing resilience in the United States. It also provides goals, baseline conditions, or performance metrics for national resilience and outlines additional information, data, gaps, and/or obstacles that need to be addressed to increase the nation's resilience to disasters. Additionally, the book's authoring committee makes recommendations about the necessary approaches to elevate national resilience to disasters in the United States. Enhanced resilience allows better anticipation of disasters and better planning to reduce disaster losses—rather than waiting for an event to occur and paying for it afterward. Disaster Resilience confronts the topic of how to increase the nation's resilience to disasters through a vision of the characteristics of a resilient nation in the year 2030. Increasing disaster resilience is an imperative that requires the collective will of the nation and its communities. Although disasters will continue to occur, actions that move the nation from reactive approaches to disasters to a proactive stance where communities actively engage in enhancing resilience will reduce many of the broad societal and economic burdens that disasters can cause.

Risk communication is crucial to building community resilience and reducing risk from extreme events. True community resilience involves accurate and timely dissemination of risk information to stakeholders. This book examines the policy and science of risk communication in the digital era. Themes include public awareness of risk and public participation in risk communication and resilience building. The first half of the book focuses on conceptual frameworks, components, and the role of citizens in risk communication. The second half examines the role of risk communication in resilience building and provides an overview of some of its challenges in the era of social media. This book looks at the effectiveness of risk communication in socially and culturally diverse communities in the developed and developing world. The interdisciplinary approach bridges academic research and applied policy action. Contributions from Latin America and Asia provide insight into global risk communication at a time when digital technologies have rapidly transformed conventional communication approaches. This book will be of critical interest to policy makers, academicians, and researchers, and will be a valuable reference source for university courses that focus on emergency management, risk communication, and resilience.

This book provides essential insights into methods and practices of 'Climate-smart Agriculture,' which is driven by the principles of climate resilience and smart resource use in agricultural production. Climate-smart agriculture is a key policy instrument for achieving poverty eradication and a hunger-free world, as well as mitigating the effects of climate change. This book discusses in detail climate-smart agricultural technologies and practices that can reduce the vulnerability of agricultural systems, improve the livelihoods of farmers and other stakeholders, and reduce the greenhouse gas emissions from crop production and livestock husbandry. The agriculture, forestry and other land use (AFOLU) sector produces roughly 10–12 gigatonnes of CO2-equivalent per year; therefore, sustainable practices for agriculture and related land use hold immense potential to mitigate climate change. The potential impacts of climate variability and climate change on agriculture are extensively documented and articulated, especially with regard to global and national environmental agendas that call for innovation, transformation and climate-resilient advances in agriculture. As the book demonstrates, climate-smart agriculture offers an excellent tool for boosting agricultural output to feed the growing global population; for reducing greenhouse gases emissions from agriculture and other land use; and for protecting agricultural production systems from the impending dangers of climate change.

Internationalism, Brand Nationalism, and Multiculturalism in Japan

Resilience in EU and International Institutions

The Routledge Handbook of Nonprofit Communication

The Praxis of Social Inequality in Media

Representations of Islam in the News

Strategic Communication for Sustainable Organizations

Security and Privacy in Communication Networks

This authoritative volume presents a comprehensive guide to the evaluation and design of networked systems with improved disaster resilience. The text offers enlightening perspectives on issues relating to all major failure scenarios, including natural disasters, disruptions caused by adverse weather conditions, massive technology-related failures, and malicious human activities. Topics and features: describes methods and models for the analysis and evaluation of disaster-resilient communication networks; examines techniques for the design and enhancement of disaster-resilient systems; provides a range of schemes and algorithms for resilient systems; reviews various advanced topics relating to resilient communication systems; presents insights from an international selection of more than 100 expert researchers working across the academic, industrial, and governmental sectors. This practically-focused monograph, providing invaluable support on topics of resilient networking equipment and software, is an essential reference for network professionals including network and networked systems operators, networking equipment vendors, providers of essential services, and regulators. The work can also serve as a supplementary textbook for graduate and PhD courses on networked systems resilience.

Over past few years, technologies have experienced boundaries getting blurred and concept of convergence to gain prominence. Harnessing from this, two main tracks for information processing management and communication are held, covering both research and application works of information management, intelligent information processing, interaction management, networking/telecommunications, and social interaction. This book creates unique opportunity for research convergence among truly diverse technology domains of computer science. Leveraging from this diversity of topics, researchers get to generate novel research ideas by seeking application of their research in a different technology domain. This volume represents the collection of papers presented at the 13th International Conference on Ubiquitous Information Management and Communication (IMCOM 2019), held on 4-6 January 2019 in Phuket, Thailand. Out of 228 papers submitted from all around the world 88 papers were accepted for presentations. The 88 contributions to this volume are organized into 5 chapters: Chapter 1. Network Evolution, Chapter 2. Intelligent and Secure Network, Chapter 3. Image and Video Processing, Chapter 4. Information Technology and Society, and Chapter 5. Data Mining and Learning. Our editors wish readers to find this volume informative and enjoyable.

Featuring the winning entries from the Owl Canyon Press Short Story Hackathon No. 3, chosen from 1100+ entries received from 40 countries.

This book explores the experiences and perspectives of female professors. Analysing the gendering of this process using various theoretical perspectives, this edited collection examines the active 'making' of careers, and how this has been possible. The editors and contributors cut across institutions, cultures and continents to seek to understand how women navigate the gendered process of becoming a professor, with each chapter applying a different theoretical or methodological approach to her experience. The chapters are not mere descriptions of career trajectories, but analytic narratives anchored within distinct theoretical and philosophical frameworks. In turn, they shed important light on how – and if – institutional structures and systems are adapting to move towards gender equality. Offering practical advice as well as thoughtful reflection, this book will be of especial interest to early career female academics.

Health in the Anthropocene

Rethinking Post-Communist Rhetoric

Living Well on a Finite Planet

The Disaster Resiliency Challenge

The Autumn 2019 Owl Canyon Press Hackathon Winners

A Global Perspective

Pushing Career Advancement Open

Even with significant reductions of greenhouse gas emissions, a certain degree of climate change will inevitably occur. Adapting to climate change, then, will become a necessary step in reducing the vulnerability of many regions across the globe. This is especially true for urban areas where climate change has been shown to have particularly destabilizing effects. Through the identification and analysis of the most relevant impacts facing urban areas, this book makes clear the need to incorporate climate change concerns into the mainstream of local planning, governance and policy making practices. Adaptation as a workable concept within urban areas cannot be treated in isolation from the many pre-existing challenges facing cities. By offering numerous examples of ongoing adaptation programs and strategies across a wide range of contexts, the authors show the growing potential of cities in the fight against climate change. This book has its origins in a collection of papers originally presented at the Resilient Cities 2010 Congress in Bonn, Germany (May 2010), the first global forum on cities and adaptation to climate change, convened by ICLEI - Local Governments for Sustainability. In this volume, the first in a new series dedicated to this annual event, a range of contributors bring their perspectives to bear on the most pressing issues and controversies surrounding adaptation to climate change within cities. These writings will prove invaluable to anyone interested in understanding and confronting climate change at the local level.

This book includes high-quality papers presented at Proceedings of First International Conference on Computational Electronics for Wireless Communications (ICCEWC 2021), held at National Institute of Technology, Kurukshetra, Haryana, India, during June 11-12, 2021. The book presents original research work of academics and industry professionals to exchange their knowledge of the state-of-the-art research and development in computational electronics with an emphasis on wireless communications. The topics covered in the book are radio frequency and microwave, signal processing, microelectronics and wireless networks.

ICCEWC 2021

Redefining Local Ownership in a New Global Governance Agenda

Practical Cases and Theories

Smart, Resilient and Transition Cities