1. Record Nr. UNINA9910784356003321

Titolo	Introduction to international disaster management
Pubbl/distr/stampa	Amsterdam, : Butterworth Heinemann, 2007
ISBN	1-280-70811-5 9786610708116 0-08-046573-0
Descrizione fisica	1 online resource (572 p.)
Classificazione	65
Altri autori (Persone)	CoppolaDamon P
Disciplina	363.34/526
Soggetti	Disaster relief - International cooperation Emergency management - International cooperation Hazard mitigation Katastrofehåndtering Kriseledelse
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover
Sommario/riassunto	Written from a global perspective on risk, hazards, and disasters, Introduction to International Disaster Management provides practitioners, educators and students with a comprehensive overview of the players, processes and special issues involved in the management of large-scale natural and technological disasters. The book discusses special issues encountered in the management of international disasters, and explains the various private, non-governmental, national, and international agencies that assist in preparedness, mitigation, response and recovery during national and regional

2. Record Nr. UNINA9910820990503321

Autore	Sonnenschein Bernard
Titolo	Collective dynamics in complex networks of noisy phase oscillators : towards models of neuronal network dynamics / / von M.Sc. Bernard Sonnenschein
Pubbl/distr/stampa	Berlin : , : Logos Verlag Berlin, , [2016] ©2016
ISBN	3-8325-8825-6
Descrizione fisica	1 online resource (vi, 118 pages)
Disciplina	531.32015118
Soggetti	Oscillations - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20161121
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Long description: This work aims to contribute to our understanding of the effects of noise and non-uniform interactions in populations of oscillatory units. In particular, we explore the collective dynamics in various extensions of the Kuramoto model. We develop a theoretical framework to study such noisy systems and we show through many examples that indeed new insights can be gained with our method. The first step is to coarse-grain the complex networks. The oscillatory units are then characterized solely by their individual quantities, so that identical units can be grouped together. The second step consists of the ansatz that in all these groups the distributions of the oscillators' phases follow time-dependent Gaussians. We apply this analytical two-step method to oscillator networks with correlations between coupling strengths and natural frequencies, to populations with mixed positive and negative coupling strengths, and to noise-driven active rotators, which can perform excitable dynamics. We calculate the rich phase diagrams that delineate the emergent rhythms. Extensive numerical simulations are performed to show both the validity and the limitations of our theoretical results.