

1. Record Nr.	UNINA9910300387003321
Autore	Stankovski Tomislav
Titolo	Tackling the inverse problem for non-autonomous systems : application to the life sciences / / Tomislav Stankovski
Pubbl/distr/stampa	New York, : Springer, 2014
ISBN	3-319-00753-X
Edizione	[1st ed. 2014.]
Descrizione fisica	xv, 135 p
Collana	Springer theses : recognizing outstanding Ph.D. research, , 2190-5053
Disciplina	621
Soggetti	Inverse problems (Differential equations) Bayesian statistical decision theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Theoretical background: non-autonomous systems and synchronization -- Inference of time-evolving coupled dynamical systems in the presence of noise -- Application to life sciences -- Analogue simulation and synchronization analysis of non-autonomous oscillators.
Sommario/riassunto	This thesis presents a new method for following evolving interactions between coupled oscillatory systems of the kind that abound in nature. Examples range from the subcellular level, to ecosystems, through climate dynamics, to the movements of planets and stars. Such systems mutually interact, adjusting their internal clocks, and may correspondingly move between synchronized and non-synchronized states. The thesis describes a way of using Bayesian inference to exploit the presence of random fluctuations, thus analyzing these processes in unprecedented detail. It first develops the basic theory of interacting oscillators whose frequencies are non-constant, and then applies it to the human heart and lungs as an example. Their coupling function can be used to follow with great precision the transitions into and out of synchronization. The method described has the potential to illuminate the ageing process as well as to improve diagnostics in cardiology, anesthesiology and neuroscience, and yields insights into a wide diversity of natural processes.

2. Record Nr.	UNISALENTO991004354031707536
Autore	Carr, Edward H.
Titolo	Storia della Russia sovietica / Edward H. Carr
Pubbl/distr/stampa	Torino : Giulio Einaudi, 1964-1984
Titolo uniforme	A history of soviet Russia 4296582
Descrizione fisica	4 volumi ; 22 cm
Collana	Biblioteca di cultura storica ; 78
Disciplina	947.084 338.947
Soggetti	Unione Sovietica Storia 1917-1929
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1: La rivoluzione bolscevica : 1917-1923. - 5. ed. - 1964. - XXV, 1361 p. ((Titolo originale: The bolshevik revolution, 1917-1923. 2: La morte di Lenin : l'interregno 1923-1924. - 3. ed. - 1965. - XIII, 360 p.((Titolo originale: The interregnum, 1923-1924. - Traduzione di Paolo Basevi. 3.1: Il socialismo in un solo paese: la politica interna 1924-1926. - 3. ed. - 1968. - XXII, 937 p. ((Titolo originale: Socialism in one country : 1924-1926. 3.2: Il socialismo in un solo paese: la politica estera, 1924-1926. - 1969. - XXI, 978 p. ((Titolo originale: Socialism in one country : 1924-1926. - Traduzione di Carlo Ginzburg e Massimo Salvadori. 4.3: Le origini della pianificazione sovietica, 1926-1929: Il partito e lo Stato / E. H. Carr e R. W. Davies. - 1978. - XIV, 487 p. ((Titolo originale: Foundations of a planned economy, 1926-1929. 4.6: Le origini della pianificazione sovietica, 1926-1929: L'Unione Sovietica e la rivoluzione in Asia. - 1984. - XIV, 406 p. ((Titolo originale: Foundations of a planned economy, 1926-1929. - Traduzione di Aldo Serafini.

3. Record Nr.	UNINA9910299441303321
Autore	Li Zongxing
Titolo	Study on Climate Change in Southwestern China / / by Zongxing Li
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
ISBN	3-662-44742-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (265 p.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	363.73874
Soggetti	Climatic changes Climatology Meteorology Climate Change
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by Cold and Arid Region Environment and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou, China"--T.p.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Data and Methods -- Spatial and Temporal Variation of Temperature and Precipitation in Southwestern China -- Spatial and Temporal Variation of Climate Extremes in Southwestern China -- Spatial and Temporal Variation of Sunshine Hours in Southwestern China -- Spatial and Temporal Variation of Wind Speed in Southwestern China -- Glaciers Response to Climate Change in Southwestern China -- The Main Conclusion and Prospect.
Sommario/riassunto	This thesis confirms many changes, including sharp temperature rise, interannual variability of precipitation, extreme climate events and significant decreases of sunshine duration and wind speed in southwestern China, and systemically explores the action mechanism between large-scale atmospheric circulation systems, the complicated topography, human activities and regional climate changes. This study also analyzes the response of glaciers to climate change so that on the one hand it clearly reflects the relationship between glacier morphologic changes and climate change; on the other, it reveals the mechanism of action of climate warming as a balance between energy and matter. The achievements of this study reflect a significant

contribution to the body of research on the response of climate in cold regions, glaciers and human activities to a global change against the background of the typical monsoon climate, and have provided scientific basis for predictions, countermeasures against disasters from extreme weather, utilization of water and the establishment of counterplans to slow and adapt to climate change. Zongxing Li works at the Cold and Arid Region Environmental and Engineering Research Institute, Chinese Academy of Sciences, China.
