1.	Record Nr.	UNINA9910299726003321
	Titolo	Directed Information Measures in Neuroscience / / edited by Michael Wibral, Raul Vicente, Joseph T. Lizier
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2014
	ISBN	3-642-54474-6
	Edizione	[1st ed. 2014.]
	Descrizione fisica	1 online resource (XIV, 225 p. 51 illus., 8 illus. in color.)
	Collana	Understanding Complex Systems, , 1860-0832
	Disciplina	620
	Soggetti	Computational complexity Coding theory Information theory Biomedical engineering Complexity Coding and Information Theory Biomedical Engineering and Bioengineering
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Part I Introduction to Directed Information Measures -- Part II Information Transfer in Neural and Other Physiological Systems -- Part III Recent Advances in the Analysis of Information Processing.
	Sommario/riassunto	Analysis of information transfer has found rapid adoption in neuroscience, where a highly dynamic transfer of information continuously runs on top of the brain's slowly-changing anatomical connectivity. Measuring such transfer is crucial to understanding how flexible information routing and processing give rise to higher cognitive function. Directed Information Measures in Neuroscience reviews recent developments of concepts and tools for measuring information transfer, their application to neurophysiological recordings and analysis of interactions. Written by the most active researchers in the field the book discusses the state of the art, future prospects and challenges on the way to an efficient assessment of neuronal information transfer. Highlights include the theoretical quantification and practical estimation of information transfer, description of transfer

locally in space and time, multivariate directed measures, information decomposition among a set of stimulus/responses variables, and the relation between interventional and observational causality. Applications to neural data sets and pointers to open source software highlight the usefulness of these measures in experimental neuroscience. With state-of-the-art mathematical developments, computational techniques, and applications to real data sets, this book will be of benefit to all graduate students and researchers interested in detecting and understanding the information transfer between components of complex systems.

2.

Record Nr.	UNINA9910976770603321
Autore	Cain Tess Newton
Titolo	Passage of Change : : Law, Society and Governance in the Pacific / / Tess Newton Cain, Anita Jowitt
Pubbl/distr/stampa	Canberra : , : ANU Press, , 2010
ISBN	9781921666889
	1921666889
	9781921666896
	1921666897
Descrizione fisica	1 online resource (1 p.)
Soggetti	Political Science
	Political science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Numerous issues face Pacific states trying to find their way in the early 21st century. Countries are striving to secure the benefits of modernisation. Governance, law and order are needed to reach such a goal, but development cannot be at the price of culture or the environment. The question of how to develop and maintain sound legal systems and legal rules whilst maintaining the unique cultural heritages

within the Pacific is a challenge with no easy answer. This interdisciplinary collection locates issues of law and governance within the particular socio-political context of the Pacific island region, presenting sociological, anthropological and political insights alongside jurisprudential analysis. Key issues including corruption, the role of customary law in modern legal systems, the place of human rights in the Pacific, environmental issues and the structure of the state are explored from a variety of perspectives.