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	Autore	GILMARTIN, Kevin
	Titolo	Print politics : the press and radical opposition in early nineteenth-century England / Kevin Gilmartin
	Pubbl/distr/stampa	Cambridge, : Cambridge University Press, 1996. XIV, 274 p. ; 23 cm.
	ISBN	05-214-9655-1
	Disciplina	072
	Soggetti	GRAN BRETAGNA - Giornalismo - Storia - Sec. 19
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9911019096603321
	Autore	Mandic Danilo P.
	Titolo	Recurrent neural networks for prediction / / Danilo P. Mandic, Jonathon A. Chambers
	Pubbl/distr/stampa	Chichester : , : John Wiley & Sons Ltd., , [2001]
	ISBN	9786610554539 9780470845356 047084535X 9781280554537 1280554533
	Descrizione fisica	1 online resource (280 pages)
	Collana	Wiley series in adaptive and learning systems for signal processing , communications, and control
	Disciplina	6.32
	Soggetti	Neural networks (Computer science) Machine learning
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	Note generali	Subtitle on cover: Learning algorithms, architectures and stability. Bibliographic Level Mode of Issuance: Monograph

New technologies in engineering, physics and biomedicine are demanding increasingly complex methods of digital signal processing. By presenting the latest research work the authors demonstrate how real-time recurrent neural networks (RNNs) can be implemented to expand the range of traditional signal processing techniques and to help combat the problem of prediction. Within this text neural networks are considered as massively interconnected nonlinear adaptive filters. ? Analyses the relationships between RNNs and various nonlinear models and filters, and introduces spatio-temporal architectures together with the concepts of modularity and nesting ? Examines stability and relaxation within RNNs ? Presents on-line learning algorithms for nonlinear adaptive filters and introduces new paradigms which exploit the concepts of a priori and a posteriori errors, data-reusing adaptation, and normalisation ? Studies convergence and stability of on-line learning algorithms based upon optimisation techniques such as contraction mapping and fixed point iteration ? Describes strategies for the exploitation of inherent relationships between parameters in RNNs ? Discusses practical issues such as predictability and nonlinearity detecting and includes several practical applications in areas such as air pollutant modelling and prediction, attractor discovery and chaos, ECG signal processing, and speech processing Recurrent Neural Networks for Prediction offers a new insight into the learning algorithms, architectures and stability of recurrent neural networks and, consequently, will have instant appeal. It provides an extensive background for researchers, academics and postgraduates enabling them to apply such networks in new applications. VISIT OUR COMMUNICATIONS TECHNOLOGY WEBSITE! <http://www.wiley.co.uk/commstech/> VISIT OUR WEB PAGE! <http://www.wiley.co.uk/>.
