1. Record Nr.   UNINA9910485581603321

   Autore   Dumke Hartmut

   Titolo   Erneuerbare Energien für Regionen : Flächenbedarfe und
                        Flächenkonkurrenzen

   Pubbl/distr/stampa   Vienna, : TU Wien Academic Press, 2020

   Descrizione fisica   1 electronic resource (227 p.)

   Soggetti   Alternative & renewable energy industries
                        Sustainability
                        Alternative & renewable energy sources & technology
                        Regional & area planning
                        Austria

   Lingua di pubblicazione   Tedesco

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Sommario/riassunto   Every human action consumes energy: heating, cooling, hot water,
                        electricity and transport requirements – all of these require energy. But
                        climate change demands that our energy needs also change, that we
                        use more and more renewable energies and less and less C02. To do
                        this, we must look at area requirements. In other words, what area per
                        energy quantity per year does a renewable energy source require?
                        Which sources require additional sealing and land use? How strongly
                        does the production of renewable energy compete with other area and
                        land uses? And what are the consequences for spatial and regional
                        planning? The following publication will help answer these questions by
                        providing a catalogue of area requirements for renewable energy sites.
                        In addition, it makes clear that achieving integrated and regional
                        energy planning involves not only energy technology, but requires
                        further research into planning and participation processes. The concept
                        of a regional cooperation area shows great potential in this aspect

2.	Record Nr.	UNINA9910830752003321
	Titolo	Kalman filtering and neural networks [[electronic resource] /] / edited by Simon Haykin
	Pubbl/distr/stampa	New York, : Wiley, c2001
	ISBN	1-280-36756-3
		9786610367566
		0-470-31226-2
		0-471-46421-X
		0-471-22154-6
	Descrizione fisica	1 online resource (302 p.)
	Collana	Adaptive and learning systems for signal processing, communications, and control
	Altri autori (Persone)	HaykinSimon S. <1931->
	Disciplina	006.3/2
		621.3815324
	Soggetti	Kalman filtering
		Neural networks (Computer science)
	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	KALMAN FILTERING AND NEURAL NETWORKS; CONTENTS; Preface; Contributors; 1 Kalman Filters; 1.1 Introduction; 1.2 Optimum Estimates; 1.3 Kalman Filter; 1.4 Divergence Phenomenon: Square-Root Filtering; 1.5 Rauch-Tung-Striebel Smoother; 1.6 Extended Kalman Filter; 1.7 Summary; References; 2 Parameter-Based Kalman Filter Training: Theory and Implementation; 2.1 Introduction; 2.2 Network Architectures; 2.3 The EKF Procedure; 2.3.1 Global EKF Training; 2.3.2 Learning Rate and Scaled Cost Function; 2.3.3 Parameter Settings; 2.4 Decoupled EKF (DEKF); 2.5 Multistream Training 2.5.1 Some Insight into the Multistream Technique2.5.2 Advantages and Extensions of Multistream Training; 2.6 Computational Considerations; 2.6.1 Derivative Calculations; 2.6.2 Computationally Efficient Formulations for Multiple-Output Problems; 2.6.3 Avoiding Matrix Inversions; 2.6.4 Square-Root Filtering; 2.7 Other Extensions and Enhancements; 2.7.1 EKF Training with Constrained Weights; 2.7.2 EKF Training with an Entropic Cost Function; 2.7.3 EKF Training with

Sommario/riassunto	State-of-the-art coverage of Kalman filter methods for the design of neural networks This self-contained book consists of seven chapters by expert contributors that discuss Kalman filtering as applied to the training and use of neural networks. Although the traditional approach to the subject is almost always linear, this book recognizes and deals with the fact that real problems are most often nonlinear. The first chapter offers an introductory treatment of Kalman filters with an emphasis on basic Kalman filter theory, Rauch-Tung-Striebel smoother, and the extended Kalman filter. O