1. Record Nr. UNISA996279252203316

Titolo	2015 IEEE 7th International Conference on Cloud Computing Technology and Science (CloudCom 2015) : Vancouver, Canada, 30 November - 3 December 2015 / / Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	Piscataway, NJ : , : IEEE, , 2015
ISBN	1-4673-9560-9
Descrizione fisica	1 online resource (xlvi, 646 pages)
Disciplina	006.76
Soggetti	Web services
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The Cloud is a natural evolution of distributed computing and of the widespread adaption of virtualization and service oriented architectures In Cloud Computing, IT related capabilities and resources are provided as services, via the Internet and on demand, accessible without requiring detailed knowledge of the underlying technology The IEEE International Conference on Cloud Computing Technology and Science brings together researchers, developers, users, students and practitioners from the fields of big data, systems architecture, services research, virtualization, security and privacy, high performance computing, with an emphasis on how to build cloud computing platforms with real impact.

2. Record Nr. UNINA9910299676803321

Autore	Yadav Neha
Titolo	An Introduction to Neural Network Methods for Differential Equations / / by Neha Yadav, Anupam Yadav, Manoj Kumar
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2015
ISBN	94-017-9816-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (124 p.)
Collana	SpringerBriefs in Computational Intelligence, , 2625-3712
Disciplina	006.32
Soggetti	Neural networks (Computer science) Differential equations Mathematical physics Engineering mathematics Engineering - Data processing Mathematics - Data processing Mathematical Models of Cognitive Processes and Neural Networks Differential Equations Theoretical, Mathematical and Computational Physics Mathematical and Computational Engineering Applications Computational Mathematics and Numerical Analysis
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	Preface -- Introduction -- 1 Overview of Differential Equations -- 2 History of Neural Networks -- 3 Preliminaries of Neural Networks -- 4 Neural Network Methods for Solving Differential Equations -- Conclusion -- Appendix -- References -- Index.
Sommario/riassunto	This book introduces a variety of neural network methods for solving differential equations arising in science and engineering. The emphasis is placed on a deep understanding of the neural network techniques, which has been presented in a mostly heuristic and intuitive manner. This approach will enable the reader to understand the working, efficiency and shortcomings of each neural network technique for solving differential equations. The objective of this book is to provide the reader with a sound understanding of the foundations of neural

networks, and a comprehensive introduction to neural network methods for solving differential equations together with recent developments in the techniques and their applications. The book comprises four major sections. Section I consists of a brief overview of differential equations and the relevant physical problems arising in science and engineering. Section II illustrates the history of neural networks starting from their beginningsin the 1940s through to the renewed interest of the 1980s. A general introduction to neural networks and learning technologies is presented in Section III. This section also includes the description of the multilayer perceptron and its learning methods. In Section IV, the different neural network methods for solving differential equations are introduced, including discussion of the most recent developments in the field. Advanced students and researchers in mathematics, computer science and various disciplines in science and engineering will find this book a valuable reference source.