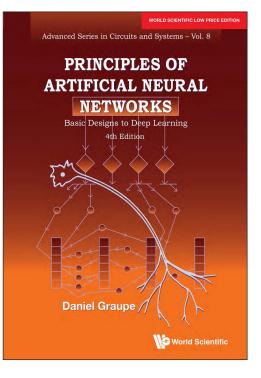




## PRINCIPLES OF ARTIFICIAL NEURAL NETWORKS

By Daniel Graupe (University of Illinois, Chicago, USA)



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## **ABOUT THE BOOK**

The field of Artificial Neural Networks is the fastest growing field in Information Technology and specifically, in Artificial Intelligence and Machine Learning.

This must-have compendium presents the theory and case studies of artificial neural networks. The volume, with 4 new chapters, updates the earlier edition by highlighting recent developments in Deep-Learning Neural Networks, which are the recent leading approaches to neural networks. Uniquely, the book also includes case studies of applications of neural networks — demonstrating how such case studies are designed, executed and how their results are obtained.

The title is written for a one-semester graduate or senior-level undergraduate course on artificial neural networks. It is also intended to be a self-study and a reference text for scientists, engineers and for researchers in medicine, finance and data mining.

## READERSHIP

Researchers, academics, professionals and senior undergraduate and graduate students in artificial intelligence, machine learning, neural networks and computer engineering.

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