Neural Networks In Telecommunications

It includes all rule-based methods such as artificial intelligence, fuzzy logic and genetic algorithms. Anywhere the conventional formalism has failed due to the combinatorial explosion and the long processing time caused by the sequentiallity of operation, neural networks offer a new frame for knowledge processing.ABSTRACT: This paper gives an overview of a project involving the application of neural networks to. Telecommunications Systems. Five application areas are.This paper gives an overview of a project involving the application of neural networks to Telecommunications Systems. Five application areas are discussed, including cloned software identification and the detection of fraudulent use of cellular phones. The systems are summarised and the general results are presented.Yifeng Zhang, Zhenya He, Chengjian Wei, Self-Organizing Transient Chaotic Neural Network for Cellular Channel Assignment, Neural Processing Letters, v. neural networks, fuzzy logic and genetic algorithms. A number of current applications of neural networks to telecommunications are summarised below and.AbstractThis paper puts forth a new encoding method for using neural network models to estimate the reliability of telecom- munications networks with.The unique characteristics of neural networks are identified. Application areas in telecommunications are examined where neural networks are seen to provide.The present paper presented the training or learning algorithms in telecommunication towers based on the artificial neural networks to calculate accurately their.Traffic Flow Prediction in Telecommunications Networks. Xin Yaot, Manfred A promis- ing algorithm for training neural network ensembles is the negative.Research in neural networks concerns the complexity of learning and computation in Neural Networks in Telecommunication Planning (Alexandru Murgu).Artificial Neural Networks, like people, learn by example. . recognition of speakers in communications and recovery of telecommunications.Neural networks in telecommunications / edited by Ben Yuhas, Nirwan Ansari Neural Networks as Excisers for Spread Spectrum Communication Systems.Neural Networks are highly interconnected distributed information processing architectures that In this article we first introduce the basics of neural networks by describing the Wiley Encyclopedia of Telecommunications, 1.