



resources. The secret lies in the design optimization at various levels of computing and communication of intelligent machines. Each neural network system consists of massively paralleled and distributed signal processors with every processor performing very simple operations, thus consuming little power. Large computational capabilities of these systems in the range of some hundred giga to several tera operations per second are derived from collectively parallel processing and efficient data routing, through well-structured interconnection networks. Deep-submicron very large-scale integration (VLSI) technologies can integrate tens of millions of transistors in a single silicon chip for complex signal processing and information manipulation. The book is suitable for those interested in efficient neurocomputing as well as those curious about neural network system applications. It has been especially prepared for use as a text for advanced undergraduate and first year graduate students, and is an excellent reference book for researchers and scientists working in the fields covered.

*Innovative Developments in Virtual and Physical Prototyping* presents essential research in the area of Virtual and Rapid Prototyping. The volume contains reviewed papers presented at the 5th International Conference on Advanced Research in Virtual and Rapid Prototyping, hosted by the Centre for Rapid and Sustainable Product Development of the Polyt

*Biomimicry in Architecture*

*Serious Games, Alternative Realities, and Play Therapy*

*Nature - Analogies - Technology*

*Biomimetics for Architecture & Design*

*Basics Design Methods*

*New and Recent Essays.*

*Architecture Inspired by Nature*

Mankind needs to relate to inanimate matter as well. Mankind 'animates' stones, mountains, rivers, yes even the world and the cosmos so that it can communicate with them. Zoomorphic architecture is a variant of anthropomorphic architecture.

*A Critical History and Survey of Contemporary Sustainable Architecture and Urban Design*

*East of Eden.*

*Biomorphic Architecture*

*Architectural Styles*

*Human and Animal Forms in Architecture*