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Sommario/riassunto	This book presents the theory and methodology of developing a neuroevolutionary-based computational intelligence system using Erlang. It offers an extensive tutorial for creating a state of the art Topology and Weight Evolving Artificial Neural Network (TWEANN) platform. The reader is guided from a single simulated neuron to a complete system and will be able to use novel technology to build a TWEANN system, which can be applied to Artificial Life simulation, and Forex trading. Erlang's architecture perfectly matches that of evolutionary and neurocomputational systems. As a programming language, it is a concurrent, message passing paradigm which allows developers to make full use of the multi-core & multi-cpu systems. It explains how to leverage Erlang's features in the field of machine learning, and the system's real world applications, ranging from algorithmic financial trading to artificial life and robotics. --