



Cognitive Peer-to-Peer Networks utilizing DCLA based Cognitive Engines

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A New Approach for Managing Peer-to-Peer Networks | A cognitive network is a network which can learn to improve its performance while operating under its unknown and dynamic environment. Cognitive engine as part of a cognitive network tries to adaptively find an appropriate configuration for the network. The cognitive networks such as cognitive radio networks, cognitive sensor networks, cognitive wireless mesh networks, cognitive mobile ad-hoc networks, and cognitive personal networks have received much attention in recent years. Up until now no peer-to-peer network management algorithm has been designated utilizing cognitive networking concepts. In this book, we adopt cognitive networking concepts and present a new framework for cognitive peer-to-peer networks and then propose an approach based on Dynamic Cellular Learning Automata for designing cognitive engines for solving network management problems in peer-to-peer networks. | Format: Paperback | Language/Sprache: english | 60 pp.



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