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COGNITIVE RADIO PARAMETERS OPTIMIZATION USING BIO-INSPIRED ALGORITHMS



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Cognitive Radio parameters optimization based on GA, PSO and Spectrum mobility based on DNA inspired computing | Cognitive Radio Engine model optimizes wireless transmission parameters for spectrum management and decision supports, results analyzed and compared among multichannel with algorithms based on Base-10 Genetic Algorithms (GA), Particle Swarm Optimization (PSO)and hybrid of GA+PSO. Multi-objective fitness functions established the relationships among the environmental parameters, transmission parameters, and objectives of QoS performance. Using theoretically relationships...

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- · Authored by Singh, Santosh Kumar
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