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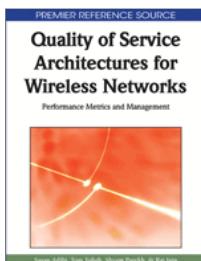### Publishing Academic Excellence Since 1988

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User Based Call Admission Control Algorithms for Cellular Mobile Systems

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Quality of Service Architectures for Wireless Networks

Performance Metrics and Management

Sasan Adibi, Tom Tofigh, Shyam Parekh, & Raj Jain

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Abstract

Call admission control in mobile cellular networks has become a high priority in network design research due to the rapid growth of popularity of wireless networks. Dozens of various call admission policies have been proposed for mobile cellular networks. This chapter proposes a classification of user based call admission policies in mobile cellular networks. The proposed classification not only provides a coherent framework for comparative studies of existing approaches, but also helps future researches and developments of new call admission policies.

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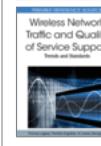
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