WIFI DEPLOYMENT STRATEGY FOR DELAYED MOBILE DATA OFFLOADING SYSTEM

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ABSTRACT

CISCO visual networking index forecasts that mobile data traffic will grow at a compound annual growth rate of 61% from 2013 to 2018 [1]. Such mobile data explosion is putting stress on cellular networks and creating challenges to the business model of cellular network providers. As one of solutions, mobile data offloading through WiFi networks has been proposed recently [2–5]. In this talk, we present new deployment strategies of WiFi networks in order to increase the efficiency of the delayed mobile data offloading [4] and verify our results through extensive numerical studies and embedded Markov process analysis.

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