NSF REU SenSIP

Machine Learning for Channel-based User Scheduling in Ad Hoc Systems

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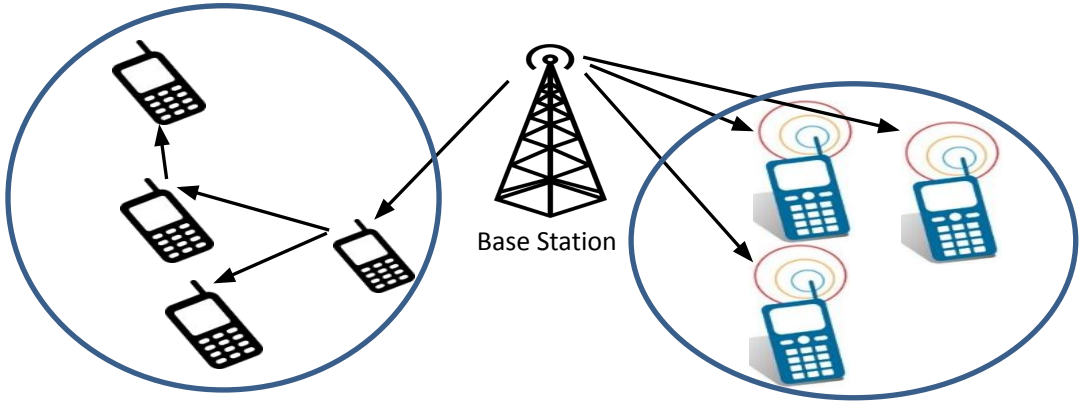
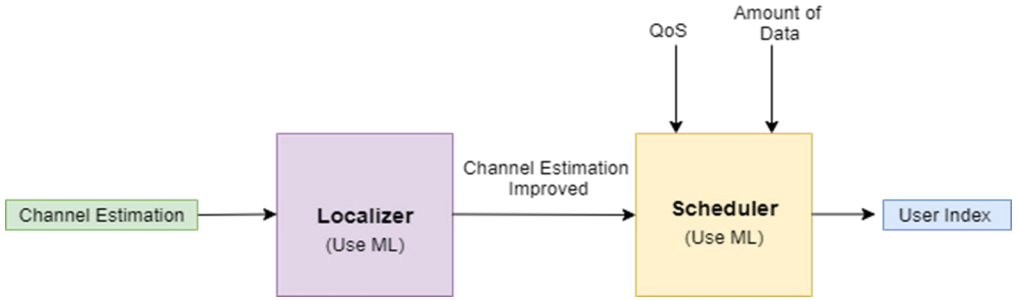
- In 5G, massive number of users and base stations not capable of serving massive users
- Investigate machine learning (ML) algorithms for ad hoc networks to schedule users
- Objective: Rely on ad hoc networks to reduce burden on cellular base stations
- Impact: Wireless communication system serving more users with low latency and higher throughput



Nodes in this subnetwork receive the data via ad hoc communications

Nodes in this subnetwork receive the data directly from the BS



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