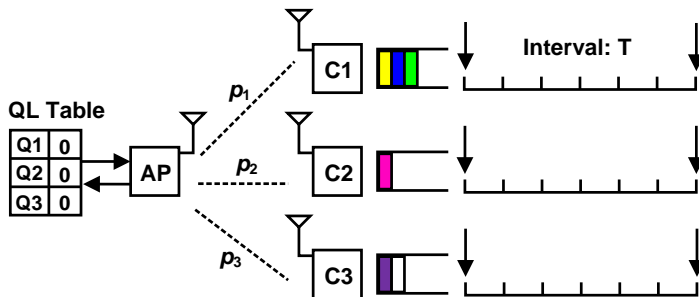# Scheduling for Uplink Transmissions with PCF

Dongni Han, Ping-Chun Hsieh, and Tao Zhao

March 31, 2016
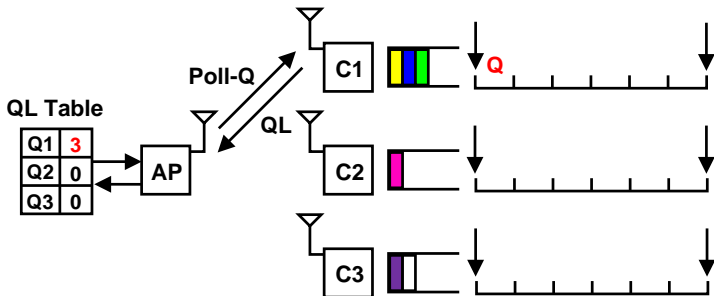
Uplink Transmissions

- One AP and N clients
- 1 slot = 2 RTT; 1 interval = T slots
- Packets generated in the beginning of each interval
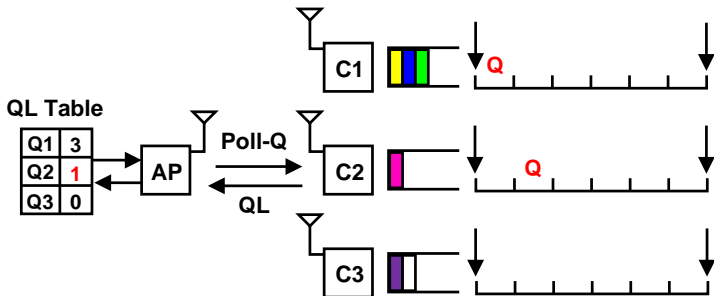- Real-time and non-real-time traffic

Baseline Policy - A Toy Example

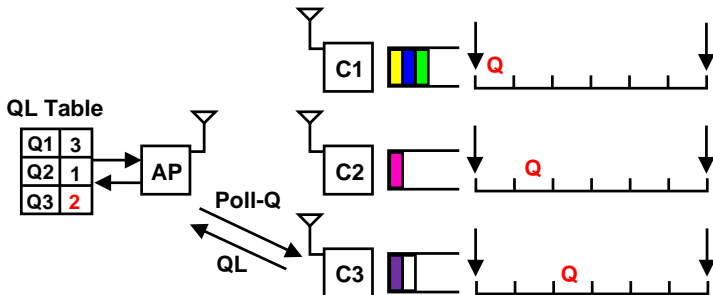- Phase 1: AP polls the queue length in a round-robin manner

Baseline Policy - A Toy Example

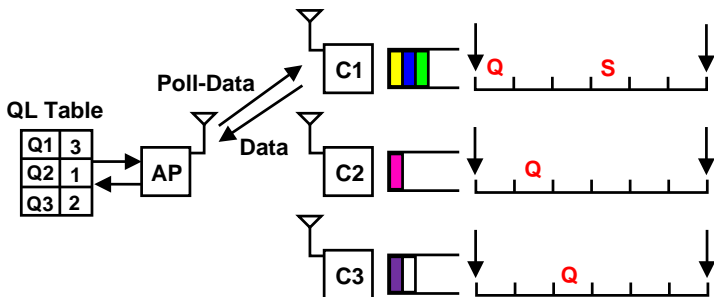- Phase 1: AP polls the queue length in a round-robin manner

Baseline Policy - A Toy Example

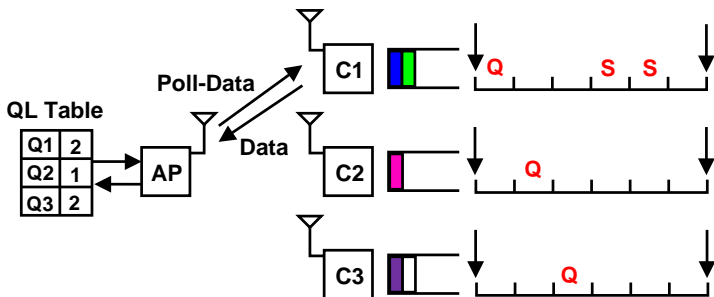- Phase 1: AP polls the queue length in a round-robin manner

Baseline Policy - A Toy Example

- Phase 2: AP schedules a client based on Max-Weight policy

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