802 Architecture Standing Committee Report

802.3ar now has a proposed draft on <u>QoS rate control</u> (not even an official IEEE Draft yet, so early in process). They want feedback from 802 groups to see if common mechanism is required. Concern about extremely limited participation to date in 802.3. This is really for fixed wireless, engineered network. Not intended for variable rate service. Has some crossover issues to 802.1 projects that want to use this feature.

802.3 is looking into power conservation implications and possible changes (they had a tutorial in Garden Grove?). Sleep not a network state, but a device state. Move power conservation function deeper into the network. UPnP attacks the problem using proxy responses to allow the CPE link interface to power down/go into a power conservation mode. For Ethernet world, it is all of the CPEs and switched 13 W, 10 Gb Ethernet ports.

802 Wireless Architecture Subgroup Report

Struggling to identify scope of common wireless interest.
>   **QoS**
>   **Location information**
>   **Power Requirements**
>   **L2 Link Status (extended set)**

Presentation on QoS overview in 802 (same presentation as from 802 Architecture Standing Committee)

Chair polled group on proposal to investigate creation of a QoS SG to investigate common interest

My observations:
>   **Scope is too fuzzy**
>   **802.21 already doing this, but top down, not bottom up**
>   **only 6 people expressed any interest, and I don't think they are very well informed on ongoing work in 802.21**

Chair is going to put forward proposal to other Wireless WGs at opening plenaries.

802 Wireless Architecture Subgroup Report

Presentation on Mesh Networks. Projects in 802.11, 802.15, and 802.16

My opinion: Turning into a fishing contest to develop poorly defined research areas

Chair polled group on proposal to investigate creation of a Mesh SG to investigate common interest. Moderate interest.

Chair reiterated that process is early and several stages prior to any consideration of request for an SG

Discussed 'Energy Star Compliance'. It is an Ethernet issue. Chair wanted to open this up to 'saving power in wireless systems'. Chair polled the group. No interest.

Chair polled the group on Location Information. Little interest.