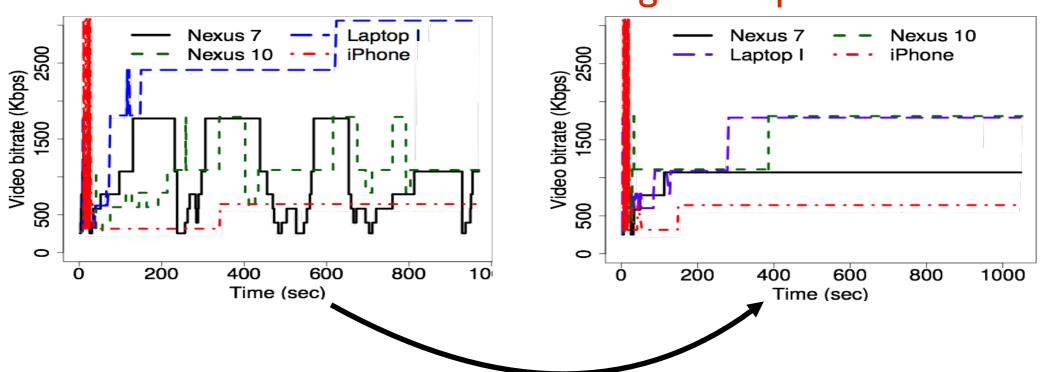
Equal bitrate, or any flow-rate definition of fairness, is ultimately unfair.

-Bob Briscoe, ACM CCR 2007.

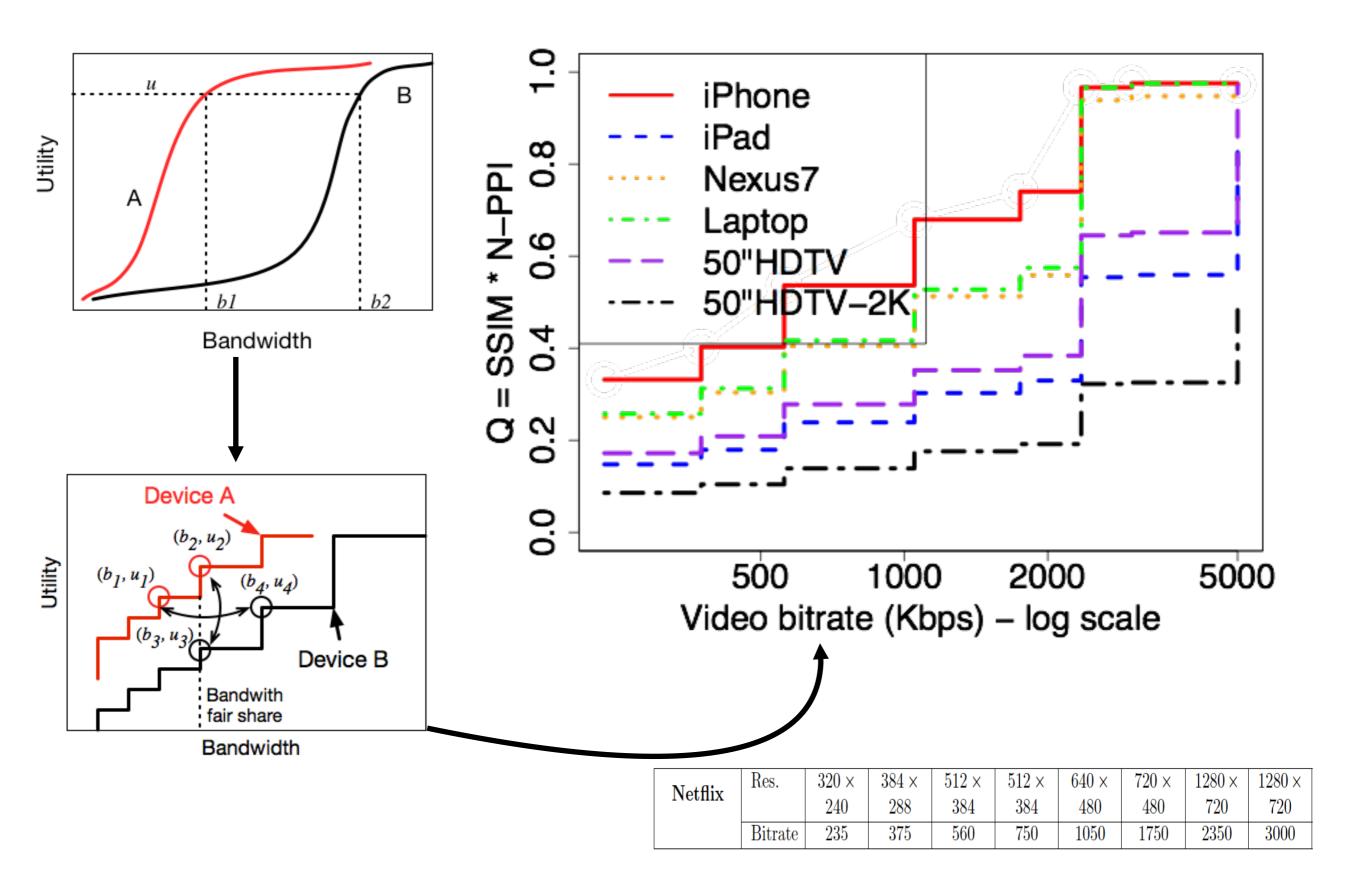
Four Netflix clients sharing a 6Mbps link



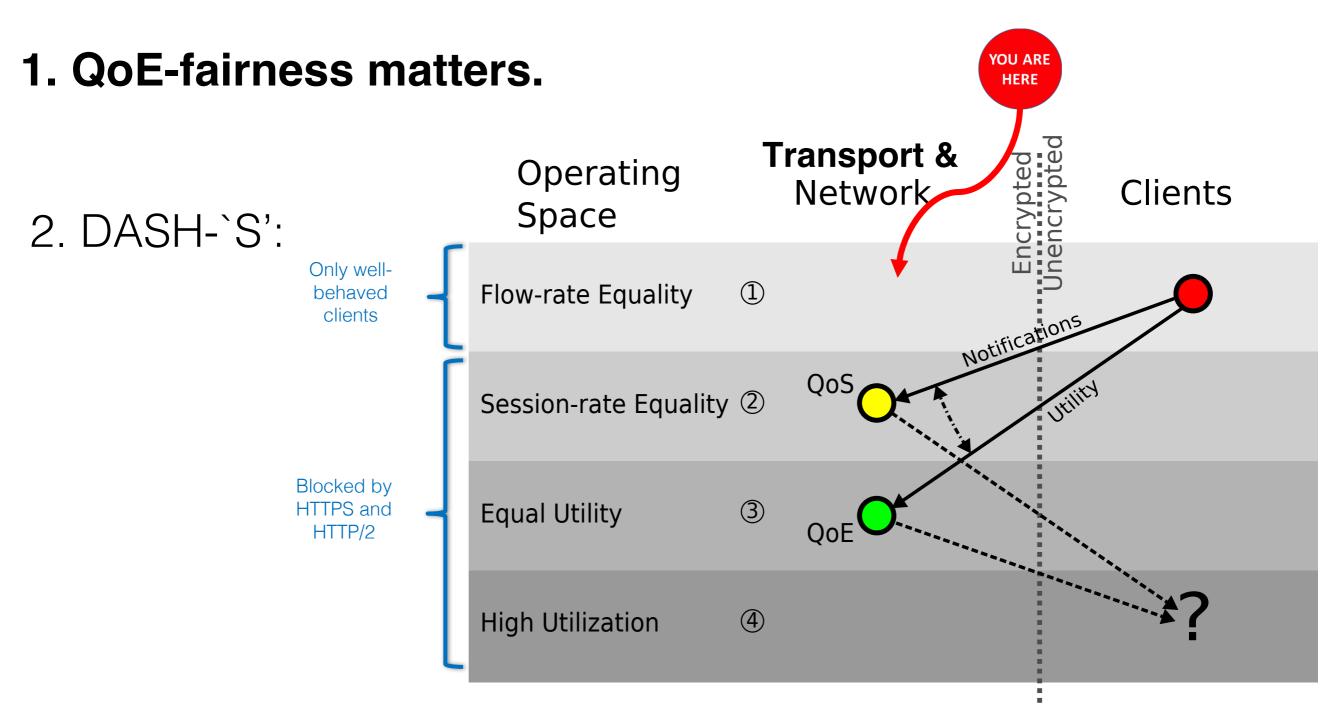
"There exists no metric in transport/network to reflect the user experience of streaming video at the application layer."

-Marwan Fayed, right here, right now. ©

API: Bandwidth Utility for Streaming Video



DASH: No Input -> No Fairness



3. WIDE Open Questions Remain!

(Incentives, **Utility**, **Feedback** and utilization, Upstream bottlenecks, **API Expressiveness** and Scale.)