Title: Low Latency Networking

Abstract:

The emergence of applications that require low end-to-end latency has been one of the key drivers of new networking technologies like 5G. The ability of networks to deliver millisecond level delays will unlock many applications in the future, and is an exciting area of research. Most current network protocols are not designed to deliver such low latencies, but there have been many attempts in the past. We will review the history of such efforts, and then propose some tentative ideas for new technologies and protocols, particularly at the wireless edge, that aim to do so.