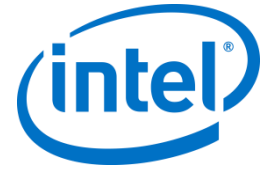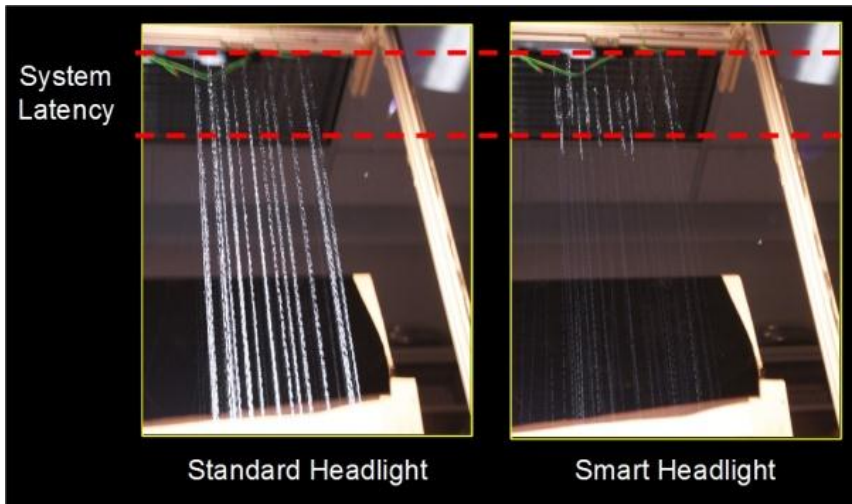# Seeing Through Rain

Research for Intelligent Headlights

Driving at night reduces a driver's visibility, which worsens with the addition of rain. A collaboration between Intel Labs and Carnegie Mellon University at the Intel Science & Technology Center for Embedded developed a headlight that leads to safer travels during rain storms.

- Illuminated rain/snow causes distracting flickers.
- Can light rays avoid illuminating rain drops or snow flakes?

The smart headlight can detect and track rain drops as they fall, and then selectively 'turn off' light rays at the predicted future rain drop locations. Risk is minimized and driver's visibility is maintained.

System Latency

Standard Headlight   Smart Headlight