#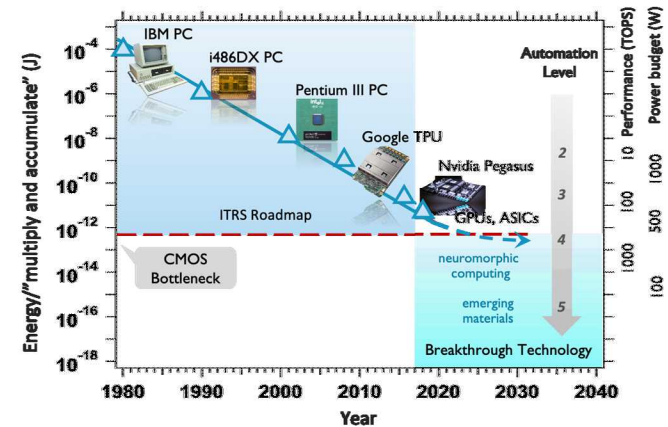 Modeling power electronics and computing resources as a precursor to Connected and Autonomous Vehicle (CAV) roadmap and goal setting.
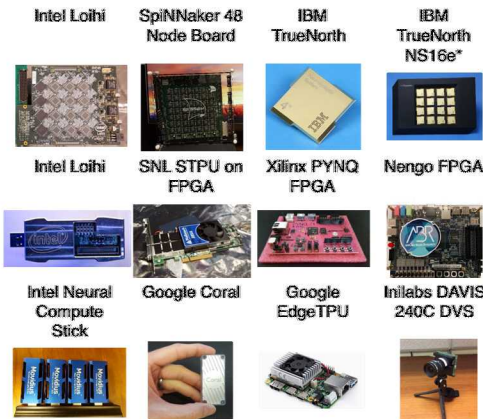
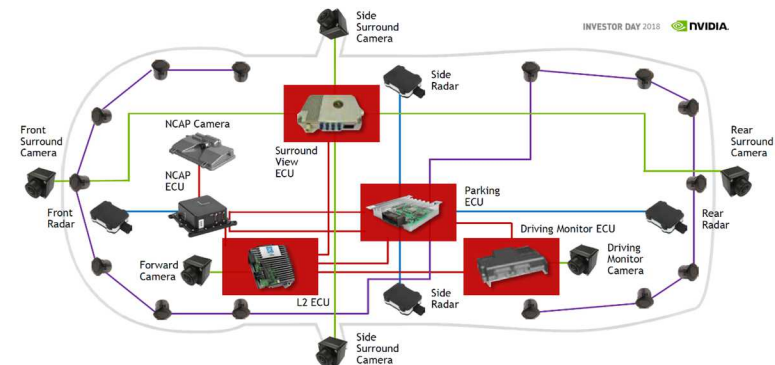**Highly Automated Vehicles require significant computing resources**

Current computing technology cannot meet the power and cost requirements

Edge computing technologies not well described by current metrics

One solution is move from centralized to "edge" computing

New perfor... ...are options