Moore's Law is the idea that transistor density will double ever 2 years. Previously, this used to explain the development of the technology quite well, but as of recent, computer engineers are running into issues. Namely, they can't get transistors any smaller. At the nanometer size they are currently working at, quantum issues are surfacing. For example, electron tunneling is causing unexpected outcomes. Due to issues such as this, Moore's Law is no longer valid.