Teaser:

Do you ever feel like new phones don’t improve anymore. Or do you feel like your newly purchased computer doesn't offer any improvement in terms of performance.

I remember the old days when I was a child – just about 10 years ago – every year new computers would be much better, much faster than the old ones, and any computer would have difficulties running new programs in about 1 – 2 years.

But now, things have changed, the speed of the improvement has slowed down, and recently released computers do not have much of an improvement with respect to my 4 years-old computers.

(Outline Slide)

If you have realized this phenomenon, let’s dive into the reasons and learn why. I am Emre Geçit, a junior Computer Engineering student, and today, I will talk about 3 reasons Moore’s Law is ending.

Introduced by Gordon Moore, one of the founders of Intel is the observation that the number of transistors doubles about every two years. Although Moore’s observation is about the number of transistors, it also applies for the frequency, and the overall speed.