

## **Emerging Trends in Electronics in an Intelligent Connected World**

**Guru Ganesan**

*President and Managing Director, ARM India*

### **Abstract**

With nearly eight Billion people on our planet, it is more imperative now than ever before for each one of us to be able to manage our lives efficiently amidst competing resources, time crunches and the unintentional intrusions in our lives. At the same time, serendipitously, low-power embedded technology has matured to a level where it can be used to bring about the kind of connectivity required of ourselves with everything around us to enable us to overcome the challenges imposed on us by our benevolent, yet overcrowded, planet. The presentation elucidates how the challenges thrown up by the need for this connectivity together with mobility are being addressed in both hardware and software. Furthermore, to the discerning listener, it will become amply clear that our quest for constant connectivity not only carries with it the glam of the possibility of embarking on new areas of growth and research, but also the potential to burden us with a gazillion or more of pieces of information and consequently the responsibility to handle this information efficiently and with appropriate care.

### **Biography**

Guru Ganesan started his career with Tata Consultancy Services. He then had stints at Hewlett-Packard in Cupertino, Cadence Design Systems in San Jose and Texas Instruments in Dallas. Later, in Jan 2001, he was the Director of Engineering in a business unit of Synopsys in Mountain View that got acquired by Artisan Components. In 2002, Mr. Ganesan relocated to India to set up the India operations of Artisan. He was Managing Director of Artisan in India until 2004, when Artisan got acquired by ARM, the world leader in Semiconductor IP. At ARM, Guru has held a variety of positions, starting with Vice President of Engineering in San Jose. He became the Managing Director of ARM India in 2009 and is now its President.