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Domains: Electronics and Telecommunications
Years in systems engineering: 3
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“Faster communication will make tele-presence a reality: We will see and talk to a hologram, and video chat will become a thing of the past.”

How has systems engineering changed over the past 25 years?

Systems engineering has always existed, although without a name initially. In the last 25 years it has been recognized as an interdisciplinary field of engineering necessary to define, design and manage complex systems.

What is the first thing you’d work on if you were named lead systems engineer for India?

I would define, design and speedily execute a new road and rail transportation system network connecting cities, towns, and villages throughout India. An effective transportation network would allow the spreading of cities and reduce population density. As a result, we’d have a more effective system to deliver other civic services. The new cities would have state-of-the-art public transport systems.

If you could work as a systems engineer in any industry (not your own), what would it be? Why?

If I was to work as a systems engineer in any other industry, it would be the defense or aerospace industry. I would love the thrill and the challenge.

What do you predict will happen in the future of electronics and telecommunications engineering?

The last 40 years has been the era of electronic and communication evolution. I think the telecommunication revolution will continue – The Internet of Things will evolve where everything will be connected. Faster communication will make tele-presence a reality: We will see and talk to a hologram, and video chat will become a thing of the past. Electronics will power all of this, which will become faster and less power hungry than it is today.