



Ramakrishnan Raman

*KBD (Knowledge Based Development) Practice Leader
Honeywell Technology Solutions*

Birthplace: Madurai, India
Current Residence: Bangalore, India

Domain: Aerospace, Automation Control Systems (Building/ Industrial Automation)
Years in systems engineering: 18
Year joined INCOSE: 2005
Roles in INCOSE: Assistant Director – Membership & Outreach, Sector 3 (Asia-Oceania); formerly, Ambassador of INCOSE.

“I would bring in systems thinking into the educational mainstream across all disciplines.”

How did you first hear about/get involved with INCOSE?

It was in 2004 – while tasked with defining the systems engineering process at Honeywell Technology Solutions, I came across the INCOSE Systems Engineering Handbook (v2a). Subsequently, I joined INCOSE in mid-2005 and became a Certified Systems Engineering Professional (first CSEP from India). Since 2005, I've been actively involved in promoting INCOSE and systems engineering amongst industry and academia in India, including promoting systems engineering certification and growing the INCOSE India Chapter. I also contributed to the revision of INCOSE Systems Engineering Handbook v3.1.

What is the most valuable benefit of being an INCOSE member?

INCOSE provides an excellent ecosystem to interact with systems engineers from around the world, along multiple dimensions. In addition, being an INCOSE Certified Systems Engineering Professional increases one's professional stature and recognition.

What characteristics should systems engineers possess?

It is critical for systems engineers to maintain an unbiased open thought process, to nurture the ability to look at the big picture and to try hard to keep things simple. I consider the last characteristic most challenging – to get the simplest solution for complex problems by finding the right questions to ask and the right problems to solve.

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

It would be two-fold – First, I would bring in systems thinking into the educational mainstream across all disciplines, and second, I would drive focus towards sustainable systems that enable wholesome development, specifically in rural areas.

AN INSIDE PERSPECTIVE