

## **Standards for Smart Cities - Panel Discussion**

**Panel Participants:** Harish Mysore (IEEE), Soma Pandey, Jayakumar Singaram (GeniusPlus Technology Pvt Ltd), Ravikumar Annaswamy (Innohabit Technologies), Syam Madanapalli (Dell)

### **Mr. Harish Mysore**

Director-IEEE India Operations

Harish has worked in Technology industries for over 25 years in India. Prior to IEEE, Harish worked in IBM India Labs and handled IP Licensing and Alliances program and technology operations for IBM in India. Previously Harish has worked in Texas Instruments, Motorola, Analog Devices and Wirpo in technology development and business leadership roles.

In his current role as Director-IEEE India Operations, Harish is focusing on IEEE Standards Development and Education programs in India and to increase IEEE visibility in India through various initiatives. He is also working on expanding IEEE membership base and improves membership experience in India. Harish is working towards bringing internationally acclaimed IEEE seminars and Conferences to India.

### **Dr. Soma Pandey**

Soma Pandey is currently heading the IoT and M2M services vertical in Reliance Jio Infocomm Limited. Her doctoral research pertains to optimizing city wide Wi-Fi networks using the IEEE 802.11s standard. She has more than 18 years of industrial and research experience. She has authored many IEEE conference and journal papers. She is on TPC for more than 30 International Conferences and Journals. Her main interest lies in device, connectivity and cloud service optimization for Machine to Machine communication and Internet of Things.

### **Dr. Jayakumar Singaram**

Dr. Jayakumar Singaram is presently part of 3 companies in the technology startup space: GeniusPlus Technology Pvt Ltd, Rinanu Semiconductor LLP, and GeoSpace Instruments LLP. He has been very active in technology startups and was the founding member of Epigon Audiocare and Epigon Media Technologies, PiiTech Systems and was part of Cranes Infotech, Mistral Solutions and Collcraft (IIT-Bombay) as a Director and a consultant with Essel Utilities, Mumbai.

His dream projects include design and development of Karaoke Machine for TAITO which helped the company move from 7<sup>th</sup> position to 2<sup>nd</sup> on networked Karaoke segment where he also worked with MIT Media Lab. He has also worked on Satellite Radio Receiver for WorldSpace broadcast system, which was a start of the art solution at that time using low cost DSPs to receive broadcast signal. He has developed the 128 kbps Wireless data link for Indian Navy.

Dr. Singaram did his undergraduation in Mathematics from Madras University, B.Tech in Aerospace from Madras Institute of Technology and M.Tech and PhD from IIT Bombay in the area of systems and control engineering. He was also a research fellow in KU Leuven in Belgium working on reconfigurable processor.

**Mr. Ravikumar Annaswamy:**

Ravikiran Annaswamy is Founder and CEO of Innohabit Technologies. He is working on various innovations enabling proximity marketing in real world. As Founder Director of Deccan Center of Innovation and Design (DCID), he works with young entrepreneurs helping them to get started and achieve market success with focus on impact innovations. He works closely with global programs like Founders Institute ( Fi.Co) and Unreasonable Institute as Mentor and Coach for early stage startups.

He has over 20 years of business experience as Entrepreneur and as Business Leader at Nokia Siemens Networks and Siemens AG. He was Business Head for Indian market, led Global Product Management and was General Manager for Asia Pacific Solutions.

He is an engaged Professional volunteer, was the Chairman for IEEE Bangalore section (2014-2015) and Industry Relations for IEEE - Asia Pacific (2014-15). He is currently the Secretary for IEEE R10 and Newsletter Editor for IEEE TEMS. He has done his MBA from Indian Institute of Management, Bangalore and has graduated from UVCE Bangalore.

**Mr. Syam Madanapalli:**

I am an applied scientist and people's manager working to embed the Internet of Things (IoT) and Artificial Intelligence (AI) into our lives to democratize the intelligence, potentially making everybody smarter, faster and more productive and currently am the Global Head – IoT Delivery at Dell Digital Business Services.

I have co-authored a book, filed for 22 patents, written 7 RFCs at IETF, contributed to standards at IEEE and won several awards. I volunteer for SDOs to enhance the technology for the humanity. I consider that the best way to pay back to the society is to help students, teachers, startups and Government; I assist them after my work hours and also volunteer with the IEEE. I am part of the Executive committee member of IEEE Bangalore chapter, Member of IEEE Smart Cities Standards Subcommittee, Member of Technology Working Group at NASSCOM's CoE for IoT Technology board member at IPv6 Forum, India and Member of IEEE SA – Standards Special Interest Group (SIG).