Asian American Engineer of the Year Award
SanJive Agarwala

Senior Director
Texas Instruments

Sanjive Agarwala is a Senior Fellow and Director of Worldwide Silicon Development, Embedded Processors at Texas Instruments (TI). He leads the worldwide development of the company's leading edge Systemon-Chip (SoCs) in the automotive, industrial, multi-core DSP/ARM and communication infrastructure markets. He is also responsible for the roadmap and development of TI C6x DSP, ARM cores, and an array of innovative networking, multimedia, radio and SOC infrastructure technologies. These arrays of innovative, high performance and low power systems are designed in leading edge CMOS semiconductor technologies with state-of-the-art tools, flows and methodologies. These complex digital systems have significant analog integration, offering immense integration, value and ease-of-use for the company's customers.

Over the last five years, Sanjive has pioneered a SOC platform and reuse concept called Keystone that has fundamentally reshaped the way TI approaches and develops advanced digital SOC systems. The Keystone platform approach has brought unparalleled gains in quality, productivity, consistency, time-to-market and operating cost of delivering advanced system solutions. The Keystone platform has demonstrated success by delivering over 10 devices across two generations of platforms and technologies. Sanjive and his team are currently engaged in the roadmap and development of a third generation Keystone platform, with products due out in 2015. Sanjive routinely engages with customers and technology companies across the globe to understand and influence the semiconductor industry's direction and roadmap. He is an invited speaker at various prestigious conferences, such as DAC, ISSCC, HPEC, SLATE and other TI and industry forums. Sanjive has filed or been granted 40 U.S. patents and is the author of a number of technology articles that have been featured in industry publications.

Sanjive is very engaged in nurturing, mentoring and supporting engineers both inside and outside TI. This is a personal priority and he spends significant time through various diversity initiatives, invited talks, mentoring programs and other forums designed to reach and motivate. Sanjive is also very involved in the local community, schools and religious institutions. He volunteers at the United Way, Akshay Patra; has given talks to motivate kids to pursue careers in science and engineering; read books for kids from underserved areas or families in need.

Sanjive earned a MS degree in Computer Science from Southern Methodist University in Dallas, TX. He holds a BS degree in Electrical Engineering from Punjab Engineering College in India. Sanjive lives in Plano, TX with his wife Manisha and three kids. His favorite hobbies are music and running. He completed half marathon and has his eyes set on running a full marathon.

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