



INCOSE Spotlight on Stueti Gupta

Interviewed by Sandy Young, info@incose.org

Name: Stueti Gupta

Title: Manager, Cotton and Sugar Harvester Software Development Teams, Embedded Systems

Organization: John Deere India

Place of Birth: India

Current Residence: Pune, Maharashtra, India

Domain: Off-highway transportation, particularly crop harvesters

Studied in college: Physics, mechanical engineering, mechanical engineering design

Year joined INCOSE: 2011

Role(s) in INCOSE: Programs officer, INCOSE India Chapter; Empowering Women as Leaders in Systems Engineering (EWLSE) lead for India Chapter; lead, INCOSE Pune Circle; and Organising /technical committee of the Asia Pacific Council on Systems Engineering Conference (APCOSEC) 2016

Years in systems engineering: 6

1. What is your favorite part of being a systems engineer? Least favorite?

It is thrilling to be a systems engineer when you work on complex real-world problems. Creating artifacts and experiencing the power of visual representation and analytical models to bring all disciplines on the same page and working synergistically towards a common goal is fulfilling.

My least favorite part is that systems engineers still need to convince some people about the importance of systems thinking.

2. What project or accomplishment are you most proud of in your career?

I have completed a couple of projects using systems dynamics, employing stocks and flows models to understand how decisions impact market dynamics or the behaviour of supply chains. These projects helped me develop a deeper understanding of the business operations, as well as analytically evaluate decisions. One of my conference papers on this topic received the “Best Paper” award in an international simulation conference. I led a couple of projects for MBSE adoption within my organization in India.

I also founded the systems engineering circle at John Deere India, a platform for professionals from various domains to share and receive information on systems engineering theory, application and tools.

3. Tell us about your role in INCOSE’s Empowering Women as Leaders in Systems Engineering (EWLSE)?

I believe I am one of the few members from India in this group. In November 2016, I helped organize a workshop in India attended by both men and women.

The overarching theme of “Men and Women Working Together for Women as Leaders in Systems Engineering” addressed two key topics about women in leadership roles: leadership presence – overcoming fear and leadership development – power and influence.

I also worked with Alice Squires and Shamsnaz Virani to organize a panel, “21st Century Leaders, Tackling Unconscious Bias,” during the 10th Asia Pacific Council on Systems Engineering Conference (APCOSEC) in 2016. Both the panel and workshop were very well received by the participants.



4. What do you like to do outside of work?

I have a 2.5-year-old daughter who keeps me super busy. Apart from INCOSE, I am an International Ambassador of Society of Women Engineers (SWE) from India and the president of its Pune Chapter. I lead several initiatives for school, college and professional women, to make STEM attractive and demystify the path for women to thrive in STEM careers. I was recently awarded SWE Distinguished New Engineer Award, which recognizes engineers who have been actively engaged in engineering in the first 10 years of their careers.