



Glenn Ong

*Systems Engineer
Downer Infrastructure Rail*

Place of Birth/Current Residence: Sydney, New South Wales, Australia

Domain: Infrastructure

Years in systems engineering: 5 months (professionally); 2.5 years (including The University of New South Wales Solar Racing Team – Sunswift)

Year joined INCOSE: 2015

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How did you first hear about INCOSE? Why did you decide to join the organization?

As the systems engineer for The University of New South Wales (UNSW) Solar Racing Team – Sunswift, I gave an [INCOSE/SESA Transportation Working Group seminar](#) with Sam Paterson about our application of systems engineering in building a solar electric vehicle. I joined INCOSE once I started my employment at Downer in order to be further exposed to the industry.

How does your freelance photography work relate to your systems engineering work?

I find that systems engineering suits my personality quite well, and therefore, I do apply some principles across different aspects of my life. My photography work also has requirements, ranging from customer requirements down to my own functional requirements that I demand for my gear.

My purchases and acceptance of jobs considers what my capabilities are and whether I can actually meet the demand. I have a very systematic approach to my images and gear maintenance and am always in a “ready state” as my gear is always charged and memory cards cleared.

In 25 years, where do you see yourself?

I hope to move onto a role in systems engineering within the aerospace industry, specifically defence or commercial aviation.