



# KAYLA MARSHALL

Kayla is a Sr. Project Engineer with Lockheed Martin Aeronautics. She has been LM Aero for over 7 years supporting the business as a Systems Engineer with the F-35 Mission Systems Integration & Test and Mission Systems Design & Requirements teams. She is currently a Sr. Project Engineer with the Lockheed Martin Aeronautics Enterprise Integration team; SME and responsible for the Enterprise Process Architecture in support of company's performance to the business strategy. Kayla holds B.S in

Electrical Engineering and M.S in Systems Engineering.

Kayla is active in non-profit organizations, providing a tailored Systems Engineering skillset to the aid of nonprofits in the DFW community. She has volunteered with the Community Food Bank of Fort Worth, the largest operating food bank and pantry in the DFW area, for 6 years. As activities co-chair of Lockheed Martin's Aero Fort Worth NSBE (National Society of Black Engineers), she began volunteering with the food bank as means to get NSBE active in their community. Kayla realized how her professional skillsets could be of use to the impact of the organization. Kayla is current an Advisory Board Member for the Community Food Bank and has held this position for over 4 years. Kayla provides strategic planning, standard operating advising, and business analysis for the Community Food Bank.

Kayla is also a Board of Directors member for Bryan's House of Dallas Texas; an organization who provides a holistic approach to the medical needs of children aged 0-5 with special needs. Kayla is the Quality Management Representative, where she tailors quality management for a service based non-profit organization; training staff on quality management and quality assurance. Kayla also provides Bryan's House aid with their organizations polices; ensuring proper policy coverage and that policy is up to state and local standards. She has been active with Bryan's House Board of Directors for over a year. Through a collaborative impact project, she has aided Bryan's house in securing over \$100,000 in funding, helping to reshape its physical therapy program and influencing individuals in the social sectors in understanding how a systems thinking approach can strengthen their social impact.

Kayla Marshall was first introduced to INCOSE in 2014 through her M.S of System Engineer Professor and current INCOSE member Dr. Susan Fierria. Kayla joined INCOSE as a CAB member in 2016 and began to attend chapter meetings with the encouragement of her mentor and current North Texas chapter president, Yvonne Bijan. Kayla's support of the NTX chapter and INCOSE started with simple will to encourage others within Lockheed Martin to attend chapter meetings and participate in meeting by giving presentations of their work within the company. Kayla currently serves as the INCOSE North Texas Chapter as Chapter Secretary. Her initiatives as chapter secretary has been to expand the chapters reach, influence active membership, engage young

systems engineer professors into becoming active and aware of Systems Engineering within and outside of Lockheed Martin to expound their understanding and application of system engineering in a multitude of domains.

I have been honored to be a member of INCOSE and share my vision for systems thinking as it applies to social and philanthropic change. My belief is that we are poised to aid and influence the universal knowledge and application of systems engineering. If selected as INCOSE secretary, I intend to drive membership across industry domains and influence systems engineering involvement in social, civic, and environmental domains. It is my mission as a leader and practitioner of systems engineering to advance the adoption of systems thinking and intelligent system design principals as the 'natural way' problem solving across multiple industries. I want to aid in shifting our outlook on the world to one that includes complex integration factors—how every day decisions affect our society has a whole. Thus, driving a focus on modeling, understanding public policy and social system behavior; how it creates/effects economics, environment, health, etc.

As INCOSE Secretary, I'd aid in our expanding of the literature in the systems engineering handbook and diversify published knowledge. Namely: asking what is a system, and what is systems thinking? In a way that connects readers and SE practitioners, to a wider multitude of domains and thus leading to a wider application of systems engineering across many industries and elements of our increasingly global society.

Plainly put I'd like the theory and way of thinking behind systems engineering to become how we are taught to think. I believe it will allow every individual to look at all elements of our society (technology, health, policy, education, water, land, food, our bodies, animals) as all a part of the bigger, clearer picture. Which will prepare us for our growing society needs and provide us a different and more dynamic viewpoint of world and our approach to caring for it.