

Critical Skills of the Future Systems Engineer

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ABSTRACT

INCOSE's document, Systems Engineering Vision w 2025, highlights the environmental and sociotechnical challenges we systems engineers must deal with in the 21st century. Mr. Thomas will review those challenges with the audience.

Share his perspective on systems trends of the future. And lastly, outline professional development strategies that educators can adopt, and system engineers and follow, to ensure our SE profession delivers maximum value to the organizations it serves..

AUTHOR BIOGRAPHY

John A. Thomas holds a M.S. degree from the Air Force Institute of Technology and a B.S. from Michigan State University. Both degrees are in Electrical Engineering. He is

the Founder of john A thomas & Associates LLC, a retired Senior Vice President & Chief Systems Engineer of Booz Allen Hamilton, and Past President of the 10,000 member International Council on Systems Engineering (INCOSE). He is a leader, whether his role is as engineer, program manager, mentor, multi-disciplinary team member, or business man. He has delivered both IT and Hardware intensive systems and is a recognized developer of people. As a senior consultant, John provides systems engineering and integration services to clients across Defense, Security, and Transportation communities. Additionally, he is an executive coach and mentor to technical and management professionals and a sought-after spokesperson to both professional, lay groups, and media for systems engineering. He raises community awareness of the positive leadership impact of the systems engineer and the relevance of the discipline in addressing stakeholder's complex and challenging problems.