29th Annual INCOSE international symposium

Orlando, FL, USA
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Keynote Speaker

Grant Begley

CEO, Rocket Crafters

Speaking Topic: **The Underway Global Unmanned Systems and Robotics Revolution**

Biography. Grant Begley is an aerospace, unmanned systems and robotics leader, manager and consultant enabling next generation capabilities. An accomplished initiator, developer and implementer of strategic planning, change management, and resource development to achieve compelling products, dramatic future capabilities and enterprise successes.

Mr. Begley is a public speaker, author and moderator and participant of expert panels, on the Global Robotics Revolution. Mr. Begley was Corporate Senior Vice President for Alion Science and Technology, developing and implementing the $1B annual revenue Business Development Enterprise, including unmanned systems, ahead of schedule. Prior to Alion, Mr. Begley served as Pentagon Senior Advisor to the Office of the Under Secretary of Defense, for Unmanned Systems, advising on critical issues and leading development of DoD's 2011 Unmanned Systems Roadmap. Mr. Begley's career includes Defense Industry leadership positions for the development of advanced capabilities with Raytheon and Lockheed Martin where he initiated and led cross-corporation unmanned systems and robotics successes.

Mr. Begley served in the United States Navy for 26 years, to include operational assignments flying fighter aircraft, designated Top Gun, followed by acquisition assignments for the development and management of next generation manned and unmanned aircraft systems, weapon systems and joint

executive acquisition assignments. Mr. Begley holds master's degrees in Aerospace and Aeronautic Engineering from the Naval Post-Graduate School and a bachelor's degree in General Engineering from the U.S. Naval Academy.

Abstract. Grant will revisit and update his 2014 INCOSE keynote and associated forecasts. During Grant's 2014 INCOSE keynote, he forecast that unmanned systems and robotics will become ubiquitous to our everyday lives. He asserted to INCOSE participants their professional opportunity and responsibility to significantly contribute to the underway global unmanned systems and robotics revolution. Unmanned systems and robotics are rapidly expanding across ground, maritime, airborne and space systems providing a superb opportunity for systems engineers to provide a better world through a systems approach. Systems Engineers contributions, implemented responsibly and ethically, will provide new capabilities at a systems level for the benefit of humankind.