

Abstract:

Speech Title: Communications systems and needs in aerospace engineering as unmanned becomes the norm.

Unmanned systems that are used in the air, land and sea are going to become a core part of life in the future. There are few examples of where it cannot change our way of life and in twenty years daily life patterns may be unrecognizable to us. Currently, most unmanned systems use communication systems that have practical cost and reliability but mirror human systems but also risks. Advanced satellite systems and ground communications are being increased to accommodate the increase and these are potentially replicating the same faults and concerns. The research supporting this and how lessons learned are presented and that being researched for critical infrastructure. It will discuss how advancements must address wider issues and what those are now and will in the future. This presentation will disseminate the wider issues and core subjects being research and present a focus on potential ways and also areas requiring more advance technology to solve.