

# AES Seminar:



**Deputy Director, Space Systems Division - Atmospheric and Space Technology (ASTRA) Research Associates**

## **Requirements Definition and Flowdown**

Wednesday, February 1, 2017 | Fleming 157 | 5:00 - 6:00 p.m.

Well-defined requirements are critical to any successful engineering effort. Requirements state what is to be accomplished by the finished product and what successful completion looks like in terms of well understood exit criteria. Rather than being a rigid and linear process, requirement definition and flowdown is an iterative and creatively-stimulating part of design. In this class we delve into why engineers define requirements and how requirements definition fits into the big-picture of the project development process. We discuss the basic components which make a good requirement and walk through the various stages of requirement flowdown. Finally, we will review some real-world examples of project requirements in the context of spacecraft design.



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