

# Ground System Architectures Workshop 2017



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March 14, 2017



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# Innovation is Painful but Necessary

- Requires foresight in thought, technology, funding, drive, and support
- Standing still is easy until everyone else starts pushing past
- Ground system innovation is no different
  - *Typically, many stakeholders in a ground system*
  - *Cutting-edge advancements still have to mix with obsolete components*
  - *Must work with older systems*
    - sats, comm, protocols, interfaces, tools, data rates, hardware, etc.
  - *Must work with older practices*
    - policies, standards, CONOPS, culture, etc.
  - *It's only an advanced system for a short time*

***But we KNOW it needs to happen, right?***



# Looking Beyond the Horizon

- Nobody here is likely to start from scratch but if you could.....
  - *What disruptive technology, culture, practice, or model would help?*
  - *What technologies would you use?*
  - *How would you avoid obsolescence?*
  - *How would it evolve?*
  - *How would you keep up with stakeholder needs?*
  - *What business model pays for it?*
- GSAW 2017 is about thinking beyond what you **have** and considering what you **want** in a ground system



# **Mr. Thomas Fitzgerald**

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