

*AIAA Career Enhancement*

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*Aerospace Industry  
Overview*

*Where am I now?  
Where am I going?*

*AIAA Career Enhancement Committee*



# *AIAA Career Enhancement*

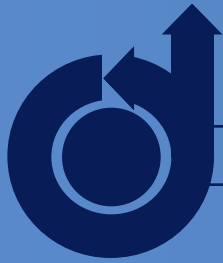
## *Overview*

### *Why this briefing?*

- Describe aerospace profession
- Orient job changers to industry
- Identify opportunities for growth

### *What do you want from this briefing?*

*Where am I now? Where am I going?*



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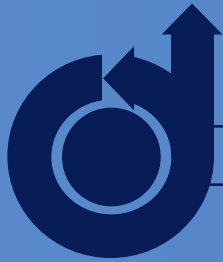
## *Aerospace Profession*

### *What is our profession?*

- **Aeronautics**
  - Aviation & air transportation
  - Automotive & maritime applications
  - General industrial applications



*Where am I now? Where am I going?*



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## *Aerospace Profession*

### *What is our profession?*

- **Astronautics**



- **Launch vehicles**
- **Space station**
- **Satellites**
- **Earth & Space Sciences**
- **General industrial applications**

*Where am I now? Where am I going?*



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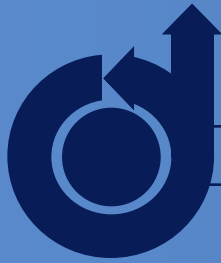
### *Aerospace Disciplines*

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#### *What are our disciplines?*

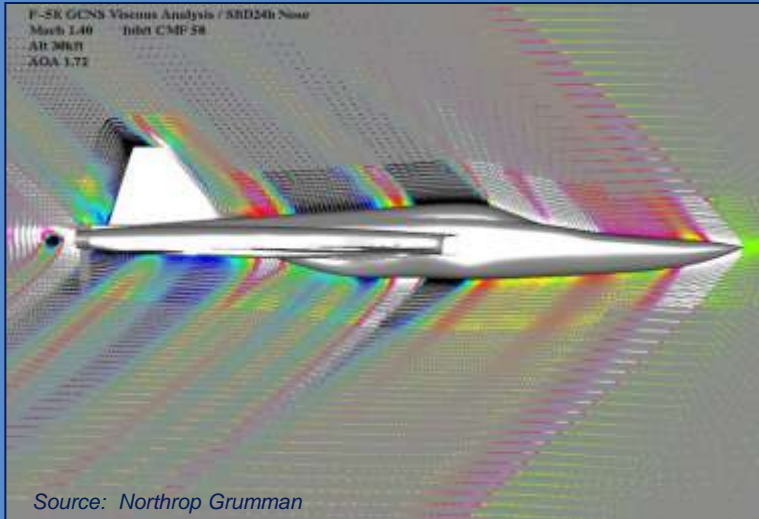
- **Aerospace Sciences**
- **Aircraft Technology and Operations**
- **Engineering and Technology Management**
- **Information and Logistics Systems**
- **Propulsion and Energy**
- **Space and Missile Systems**
- **Structures, Design and Test**

*Where am I now? Where am I going?*



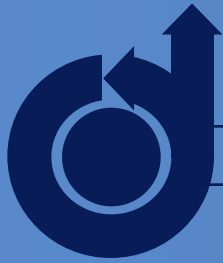
# AIAA Career Enhancement

## Aerospace Sciences



- Extensive CFD used to develop shape for Shaped Supersonic Boom Demonstrator

*Where am I now? Where am I going?*



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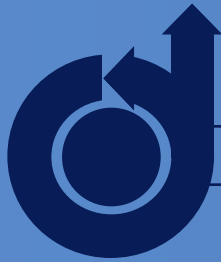
## **Information & Logistics Systems**



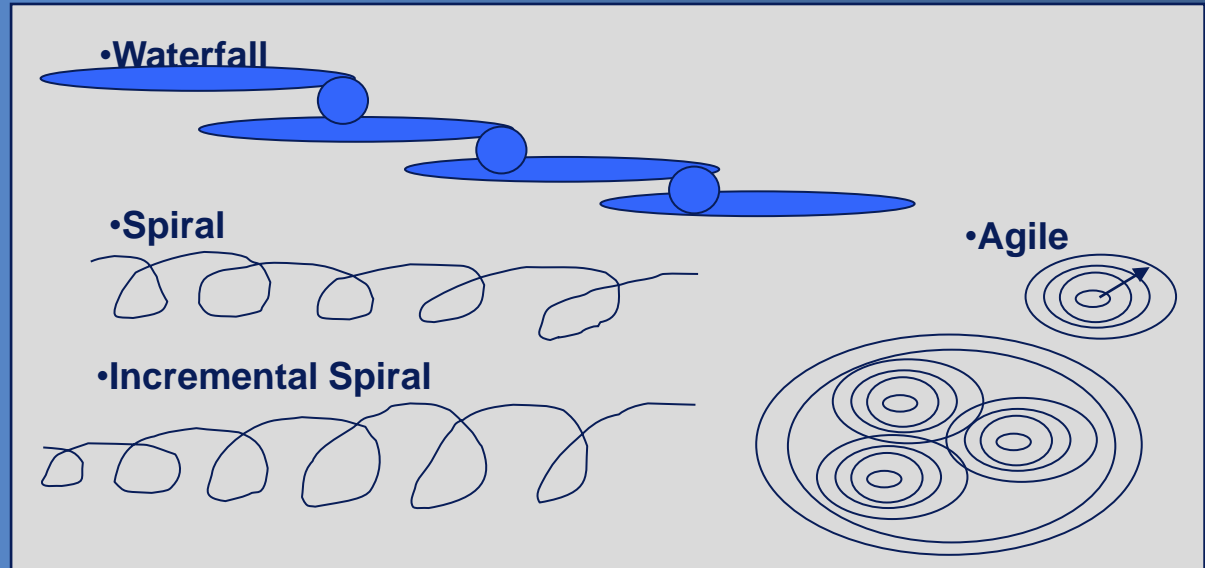
- **Information systems for test and program management**
- **Simulation of aerospace systems requires knowledge of aerospace disciplines**



*Where am I now? Where am I going?*



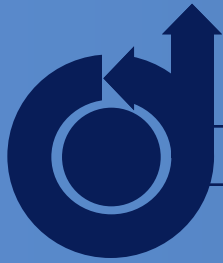
# AIAA Career Enhancement Engineering & Technology Management



- Manage projects more efficiently, to deliver more effective systems
- Multidisciplinary Design Optimization moving forward in project lifecycle
- Systems-of-Systems Approach
- Knowledge Management tools & techniques to improve productivity

*Where am I now? Where am I going?*

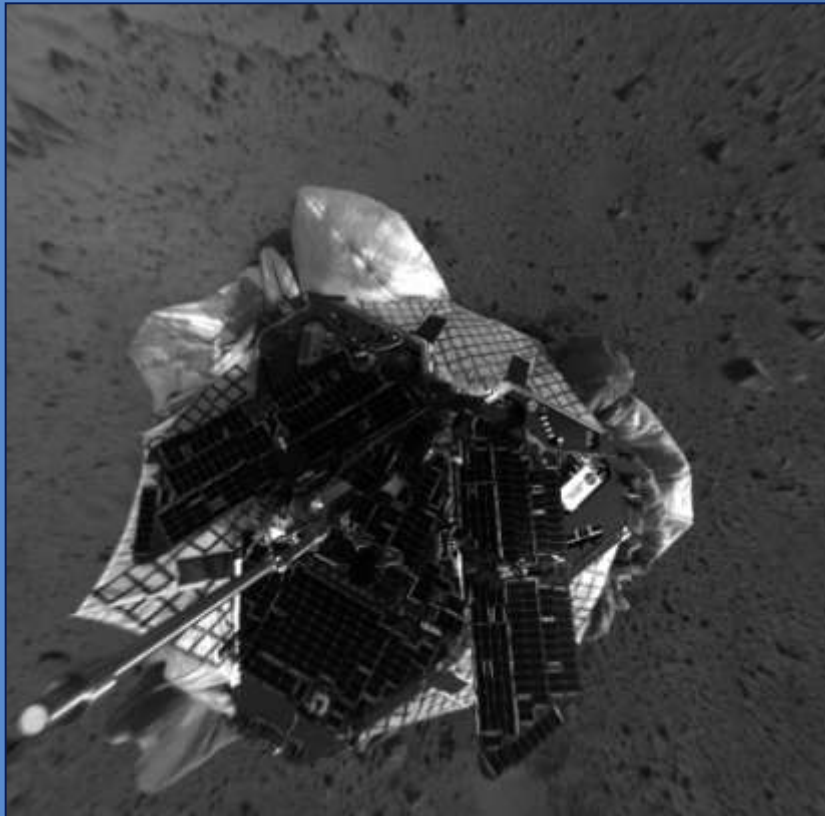




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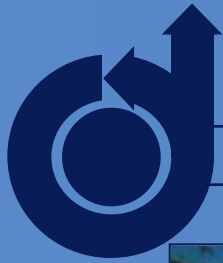
## *Space & Missile Systems*



- Move forward beyond our planet
- Preserve our freedom to do so



*Where am I now? Where am I going?*



# *AIAA Career Enhancement*

## **Aircraft Technology & Operations**



*Where am I now? Where am I going?*