



# THE JAMES WEBB SPACE TELESCOPE:

## Mission, Design, Development and Progress to Science Operations



**THURSDAY, APRIL 7, 2022**

5:30 - 6:30 PM EST

*Classroom Bldg. 2, Room 201*



### **Speaker:**

**Jonathan Arenberg**

Chief Mission Architect

**Science and Robotic Exploration**

*Northrop Grumman*

### **For more Information:**

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This talk introduces the James Webb Space Telescope, NASA's next large astrophysics mission, launched Christmas Day, 2021. Webb's science goals; detection of the universe's first light, assembly of galaxies, birth of stars and observation of planets and exo-planets are introduced.

We will explore how the design responds to mission requirements and produces the performance necessary to achieve the mission's goals. Many of the unique elements of the architecture will be explored. The main engineering challenges for largest telescope ever built in space are discussed and illustrated. Finally, the current status of the hardware and path to science operations will be explored.