



For Immediate Release  
March 24, 2016

## **James Webb Space Telescope's Chief Engineer to Speak at the Fort Worth Museum of Science and History**

*Dr. Jonathan Arenberg to discuss groundbreaking mission into space*

**Fort Worth, TX** – Join us at the Fort Worth Museum of Science and History on Saturday, April 2 for a presentation by Dr. Jonathan Arenberg, Chief Engineer for Northrup Grumman's James Webb Space Program. Dr. Arenberg's lecture highlights iMake at the Museum – a festival of invention, creativity, and resourcefulness which celebrates the Maker Movement on April 2nd and April 3rd. Dr. Arenberg will discuss NASA's goals for this mission and what challenges lie ahead for the largest telescope in space as the countdown to launch continues.

### **The Ultimate Maker Project:**

**The James Webb Space Telescope with Jonathan Arenberg**

**10:30-11:15 am Omni Theater**

**1:00-1:30 pm Noble Planetarium**

***Seating is limited and available on a first come basis***

### **About the speaker:**

Jonathan Arenberg joined Northrop Grumman Aerospace Systems in 1989 after starting his career with Hughes Aircraft Company. His work experience includes optical, space and laser systems. In addition to the James Webb Telescope, Dr. Arenberg also worked on the Chandra X-ray Observatory and helped conceive and develop the Starshade concept for the direct imaging of extra-solar planets. He has worked on significant high-energy and tactical laser systems, laser component engineering, metrology, and optical inspection issues. He is a member of the US National and International (ISO) sub-committees charged with writing standards for laser and electro-optic systems and components, SPIE, American Astronomical Society, American Association for the Advancement of Science, AIAA, and Sigma Xi. Dr. Arenberg holds a BS in physics and an MS and Ph.D. in engineering, all from the University of California, Los Angeles. He is the author of over 140 conference presentations, papers and book chapters. He holds 1 European and 11 U.S. Patents in a wide variety of areas of technology and is currently the Chief Engineer for the James Webb Space Telescope Program at Northrop Grumman and an SPIE Fellow.

### **About the Fort Worth Museum of Science and History**

*The Museum was established in 1941 and is accredited by the American Alliance of Museums. Anchored by its rich collections, the Museum is dedicated to lifelong learning. It engages guests through creative, vibrant programs and exhibits interpreting science and the history of Texas and the Southwest. The Museum is open daily, except Thanksgiving, Christmas Eve and Christmas Day. For more information, visit*

[www.fortworthmuseum.org](http://www.fortworthmuseum.org)

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iMake encourages a collaborative culture of innovation, invention and experimentation where guests meet talented local makers and become makers through engaging hands-on experiences such as:

- Eclectic Electrical Experiences- learn how to build circuits using nontraditional items
- Invention and Design - Arduinos, Littlebits, and Makey Makey, just to name a few
- Meet a Local Maker - Meet inventive, creative and resourceful Makers

Mouser Electronics, a proud sponsor for iMake, will provide staff and support for iMake. Other volunteers include DFW Makers, DFW Scrollers, The Maker Spot at North Richland Hills Library, Northrop Grumman Corporation, Plano Public Library System, PolyPrinter, River Trails Quilting Club (HEB ISD), Society of Women Engineers, STEAM Middle School- Burleson ISD and Timmy Telescope Solar Astronomy Outreach.

All activities are included with exhibit admission. Tickets can be purchased at the door, online or by phone at 817-255-9540.

**Media Contact:**

Rebecca Rodriguez  
Executive Director of Marketing & Communications  
(817) 255-9411  
[rrodriguez@fwms.org](mailto:rrodriguez@fwms.org)

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