

PART MAKER FAIRE, PART SCIENCE SYMPOSIUM -- AN EXPLORATION OF WHAT'S POSSIBLE
A CELEBRATION OF SCIENCE, INGENUITY, CREATIVITY, AND IMAGINATION

REACHING FOR
THE STRATOSPHERE

THE FIRST ANNUAL
**STEM
SUMMIT**
AT THE SUMMIT PREP

SATURDAY, MARCH 28, 2020
11:00 AM - 3:00 PM
202 E. WALNUT LAWN STREET

www.thesummitprep.org/STEMsummit

For students in 4th-12th grade

Cost: \$15 per student (\$5 per adult) - students must be accompanied by an adult
Includes admission to the street faire with dozens of STEM exhibitors

**Keynote presentation by Dr. Reiff

**Two 40 minute, student-centered workshops





Professor Patricia Reiff *keynote speaker*

Dr. Patricia Reiff is a Professor in the Department of Physics and Astronomy and was the founding Director of the Rice Space Institute at Rice University. She has been involved in space plasma physics research for over 48 years, with interests in magnetospheric convection, magnetosphere-ionosphere coupling, auroral particle acceleration mechanisms, and "space weather". She is a Co-Investigator and science education lead for the Magnetospheric Multiscale Mission (MMS), launched March 12, 2015. She has been a PI of educational programs funded by NSF and NASA since 1988 (<http://space.rice.edu>), including three major programs in collaboration with the Houston Museum of Natural Science. Millions of learners have benefited from software, planetarium shows, web pages, and museum kiosks that she has developed. She has led a number of solar eclipse tours, with the December 2020 total eclipse in Argentina being her 18th time on the centerline.



Commander Trish Beckman *workshop presenter*

Commander Trish Beckman, a Navy Officer, Flight Navigator, Aircraft Dispatcher, and Aeronautical Engineer. Trish Beckman retired from the United States Navy after serving 28 years. She is the first woman to qualify as a crewmember in the F-15E and the first American woman to qualify as a crew member in the F/A-18D. As a Naval Flight Officer, she flew in 67 types of aircraft. She helped influence the United States Senate to repeal combat exclusion laws and change executive branch policy, allowing women to fly aircraft engaged in combat missions. Trish flew for Boeing Commercial Airplanes Group in Seattle and has more than 6,000 flight hours in 73 total aircraft types. She is a founding board member of Women in Aviation International.

Students will have the opportunity to attend two 40-minute workshop sessions and a street faire with dozens of STEM experts. In addition to presentations by Dr. Reiff and Commander Beckman, other presenters and exhibitors include the following:

Charlie Rosenbury, President of Self Interactive,
Virtual & Augmented Reality

Dr. Skip Sallee, Interventional Radiology

Fred Engel, LMT, Therapeutic Massage

Bo Brown, First Earth Wilderness School LLC, Primitive Skills

Matt Forir, Missouri Institute of Natural Science

Wonders of Wildlife National Museum & Aquarium

Discovery Center of Springfield

37* North Expeditions

Premier Flight Center

CoxHealth



on site for lunch purchases!

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