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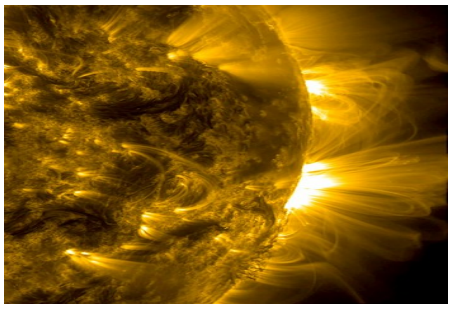


The Solar surface in x-rays.

SPACE IS LIMITED!!

Please Register at Vernon Lecture Registration

Fall 2019

Harcourt "Ace" Vernon Memorial Lecture

Nov. 13, 2019 7:30 pm

Clayton Hall

Featuring Guest Speaker

Dr. Kelly Korreck

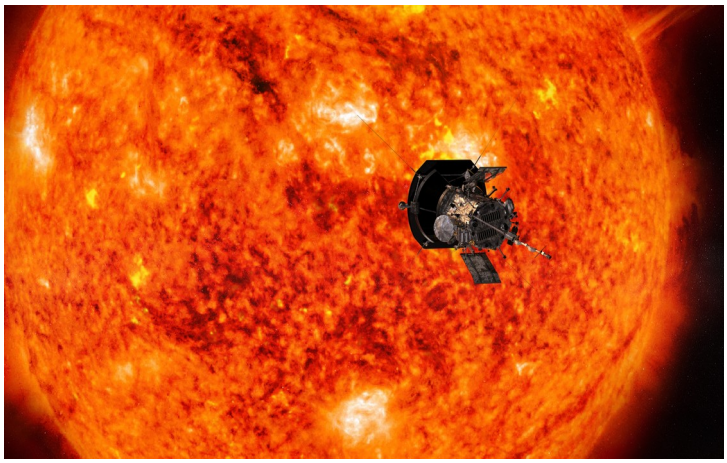
SWEAP Head of Science Operations

Parker Solar Probe

Smithsonian Astrophysical Observatory

"NASA's Parker Solar Probe Touching the Sun's atmosphere: A Tale of an Extreme Spacecraft and Solar Storms"

On August 12, 2018, after 60 years of planning, NASA launched Parker Solar Probe. This coolest hottest mission will visit the Sun! It is an extreme mission. Parker Solar Probe is the fastest human made object, closest to the sun, and has the hottest operating temperatures. This extreme satellite aims to solve mysteries of our closest star: for example, why does the solar wind blow, why it is so hot and how can we live with solar storms. Dr. Kelly Korreck will describe the weird behavior of the Sun that we are trying to understand with this mission as well as discuss the development of the bravest instrument on board that peaks around the spacecraft's protective sun shade - the Solar Probe Cup.



Artist's rendition of the Parker Solar Probe.