

## Physics and Space Sciences Department Colloquium

By:  
Dr. Gary Stutte  
Space Life Science Laboratory  
Kennedy Space Center, Florida



## Space Agriculture: Past, Present and Future

As humans move from low Earth Orbit and explore space on long duration space missions, it is recognized that a reliable and sustainable life support system is necessary. The use of edible crops will be a critical component of biological life support system that regenerates the atmosphere, purifies water, and produces food on long duration space missions and future space colonies. The opportunities, and associated challenges of growing plants in space has been studied for many years. Technology and techniques developed to support space agriculture are enabling a transformation of terrestrial agriculture and defining the design of space colonies of the future.

Friday, April 15, 2016  
4:00-5:00 P.M.  
Olin Physical Sciences  
Room 140

Light Refreshments will be served