

Dr. Melchor J. Antunano, Director **U.S. Federal Aviation Administration** **Civil Aerospace Medical Institute**

presents on Tuesday, February 18



Exponential Technological Advances in Medicine

10:30 am in Case Study 1, 408 Student Union

Things like Moore's Law, RAM cost, RAM size and super-computing have led to innovations in medicine. Without these technological advances we wouldn't have regenerative medicine, stem cells therapies, bioengineering or cloning. This presentation by Melchor Antunano will discuss the factors that have enabled exponential technological innovations. The presentation will also discuss medical breakthroughs that with continued advances in technology could be next on the horizon, such as restoring vision to the blind, organs on demand and vaccines against cancer.

Innovations in Aerospace Transportation Technologies

1:30 pm in Case Study 1, 408 Student Union

This presentation will discuss technological developments in a wide variety of aircraft, including commercial passenger aircraft, hybrid aircraft, personal flying machines and unmanned aerial vehicles/systems. Dr. Antunano will also discuss supersonic and hypersonic vehicles, suborbital commercial space vehicles, orbital commercial space vehicles, commercial space ports and commercial space stations.