



Mechanical Engineering Colloquium

September 26, 2014

Macdonald Engineering Building (MD) 267 from 11 - 12 pm

Dr. David Finkleman

Chief Engineering SkySentry, LLC

Space Debris: The Rest of the Story

Outline: To review the phenomena that contributes to man-made debris; to expose the uncertainties and issues of the evolution of the man-made debris population.

Biographical Sketch: Dr. David Finkleman has failed retirement three times. Col, USAF(Ret), Assistant Director of Labs and Assistant Chief Technical Officer of the Air Force, Federal Senior Executive Service (Chief Technical Officer, United States Space Command and NORAD), and Senior Scientist (Analytical Graphics, Inc.). He is currently Chief Engineer for SkySentry, LLC, which conducts communication and surveillance missions with satellites, high altitude airships, aircraft, and aerostats. He is an active Academician of the International Academy of Astronautics and the International Institute of Space Law, through peer election. There are only a few hundred so recognized in the world. He contributes to diverse studies of those organizations. He devotes considerable effort to leading the Space Operations Working Group of the International Organization for Standardization and Working Group 7a of the International Telecommunications Union. He is a lecturer for the International Space University.

Dr. Finkleman is a well-recognized authority in space debris and satellite collision and operational safety. He is an active contributor to that research and literature and participates in many small satellite projects. He conducts and collaborates in research projects and publications in space operations policy, satellite aerodynamics, and engineering education. His interests are diverse, and he continues to conduct research and to publish. He is currently deep into analysis of the stability of the space environment.