

Georgia Tech Space Science and Technology Workshop

Friday June 22, 2012

2nd floor Clough Commons (Rms 272, 278 and 280)

9:30 am – 4:30 pm

Current research at the Georgia Institute of Technology is advancing frontiers of space science, Earth science, astronomy, astrophysics, space technology, robotics and space systems engineering. In particular, the Daniel Guggenheim School of Aerospace Engineering, the School of Electrical and Computer Engineering, the School of Earth and Atmospheric Sciences, the School of Chemistry and Biochemistry, the School of Physics, and the Georgia Tech Research Institute have played leading roles in space science, space technology research and space systems development activities, while demonstrating a strong commitment to undergraduate and graduate education in these areas.

Georgia Tech space systems activities include mission concept development, flight system and instrument design, hardware fabrication and testing, and mission operations. Space technologies under development at Georgia Tech include those associated with plasma physics, electric propulsion, formation flight, robotics, and entry, descent and landing. Space science investigations across campus include the composition, temperature, dynamic processes and radiation environment of planetary systems, investigation of extreme environments around black holes and neutron stars, imaging of rocky exosolar planets, gaining an understanding of dark energy, and understanding the formation and chemical evolution of molecules in the interstellar media, Kuiper Belt region, comets and on solar system bodies.

This one-day workshop will explore collaborative research and educational opportunities and assess the feasibility of establishing a Space Science, Technology and Research Institute on the Georgia Tech campus in Fall 2012. All members of the Georgia Tech community with an interest in space science and space technology are invited to attend.

Agenda: Georgia Tech Space Science and Technology Workshop

9:30 am	Introductions, Meeting Scope
10:00 am	Current Georgia Tech Space-oriented Research and Educational Programs
11:30 am	Thoughts from the EVPR
Noon	Lunch
1:00 pm	Collaborative Opportunities and Partnerships
2:00 pm	What Would an Institute Provide?
3:00 pm	Define Success: The View from 2017
4:00 pm	Upcoming events

For questions about this event, please contact Bobby Braun (bobby@gatech.edu) or Cindy Pendley (cindy.pendley@ae.gatech.edu).