



Reasons to Join ASTREC

Mission: To provide industry-driven leading-edge research that produces integrated, concurrent small satellite designs, including fabrication and validation, with the objective of improvements in time to orbit, lower cost, maximum flexibility in design accommodation, and performance.

1. ASTREC Provides Synergistic Solutions to Relevant Satellite Design Problems Through
 - Access to Multidisciplinary/interdisciplinary researchers and assistants
 - Thematic approach rather than individualized research
 - Applied and fundamental research geared toward an objective of improving space systems and processes
 - An Industry Advisory Board (IAB) that identifies specific problems that are of vital interest to the industry (all members are represented on the IAB and have voting rights)
2. Access to Trained Students
 - ASTREC serves as a basis for industry recruitment of experienced students
 - Students working on industry problems and solutions are cognizant of industry needs and processes
3. NSF Accredited National Research Center
 - Access to leading-edge research
 - Access to a larger university community
 - Access to all IP developed within the center
4. Research Amplification -- ASTREC leverages funds to maximize impact of the funded research
 - Member funds are used only for specific research as defined by the IAB
 - Membership fees are not subject to university overhead (typically 48%)
 - Administrative costs to operate ASTREC are covered by NSF and universities contributions (i.e., the universities are true partners in this activity – the NSF award requires university support)
 - Member funds are leveraged with other members to provide critical levels of funding for the research projects as identified by the IAB
5. Technology Clearing House
 - On-orbit validation of technology
 - As an academic research center, ASTREC risks can be higher thus enabling the development, verification, and validation of more challenging technologies
 - Experienced technology transfer specialists are available to assist as necessary

Additional info available at:

<http://www.nsf.gov/eng/iip/iucrc/>

<http://www.ASTREC.org/>