NJIT™
New Jersey's Science & Technology University

THE FRONTIERS OF SPACE:

Solar Astrophysics at the Edge at NJIT

- **Philip R. Goode** has led groundbreaking research, funded by NASA and published in *Science*, demonstrating a strong link between decreases in the planet's reflection of sunlight and accelerated global warming. Goode directs NJIT's Big Bear Solar Observatory whose solar telescope will be the world's largest when completed in summer 2007.

- **Louis J. Lanzerotti** was recently named to the 24-member governing body of the National Science Foundation and chaired the blue-ribbon panel, created by Congress, to study whether or not to prolong the mission of the Hubble Space Telescope. Lanzerotti has led research on several NASA interplanetary missions including Voyager, Ulysses, and Galileo. Lanzerotti is leading one of the nation's four teams that will share $100 million to develop the technology for a future NASA mission to study near-Earth radiation.

- **Dale Gary** is conducting research for the design of the Frequency Agile Solar Radiotelescope (FASR) to expand our knowledge of solar flares that can interfere with wireless communications and damage satellites in the Earth's orbit. The research, funded by the National Science Foundation, will also provide information on dangerous radiation levels that may imperil the health of airline crews.

Learn more about NJIT's research in solar astrophysics at:
solar.njit.edu/research.htm
or learn more at **www.njit.edu/research/centersandlabs.php**

Photo by Bill Wittkop

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