

College Park, MD – 31 March 2011. Maxion and the University of Maryland have been selected by NASA to develop room-temperature, external-cavity-stabilized interband cascade lasers. The two year project will demonstrate single frequency, tunable lasers in the 3.2 – 3.6  $\mu\text{m}$  spectral region, enabling NASA to enhance their Earth and Planetary Sciences missions involving trace gas measurements. The sources will also be available for sale to other research and commercial customers for in-situ gas sensors and narrow-linewidth seed sources for higher power pulsed lasers used in LIDAR and other remote sensing applications.

About Maxion – Maxion technologies, a wholly-owned subsidiary of Physical Sciences Inc. ([www.psicorp.com](http://www.psicorp.com)), is a leading developer of advanced technology for infrared materials, lasers, and detectors. Quantum cascade lasers are available at a variety of power levels, and spectral characteristics, and packaging options from 4.0 to 12  $\mu\text{m}$ . Interband cascade lasers are also available from 3 – 4  $\mu\text{m}$ . Research and development activities are supported by available MBE, wafer-scale processing, device fabrication, and sophisticated solid-state physics modeling tools.