

College Park, MD – 26 April 2011. Maxion has been selected by the Missile Defense Agency to develop and demonstrate advanced metrology tools for Type II Strained Layer Superlattice (SLS) materials. These tools will provide direct characterization of defect states that presently limit the performance of compound semiconductor materials used for advanced IR detectors and related devices. The tools will be used to optimize material growth methods in support of MDA's IR detector and focal plane array development efforts.

About Maxion – Maxion technologies, a wholly-owned subsidiary of Physical Sciences Inc. (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 μm . Interband cascade lasers are also available from 3 – 4 μm . Research and development activities are supported by available MBE, wafer-scale processing, device fabrication, and sophisticated solid-state physics modeling tools.