

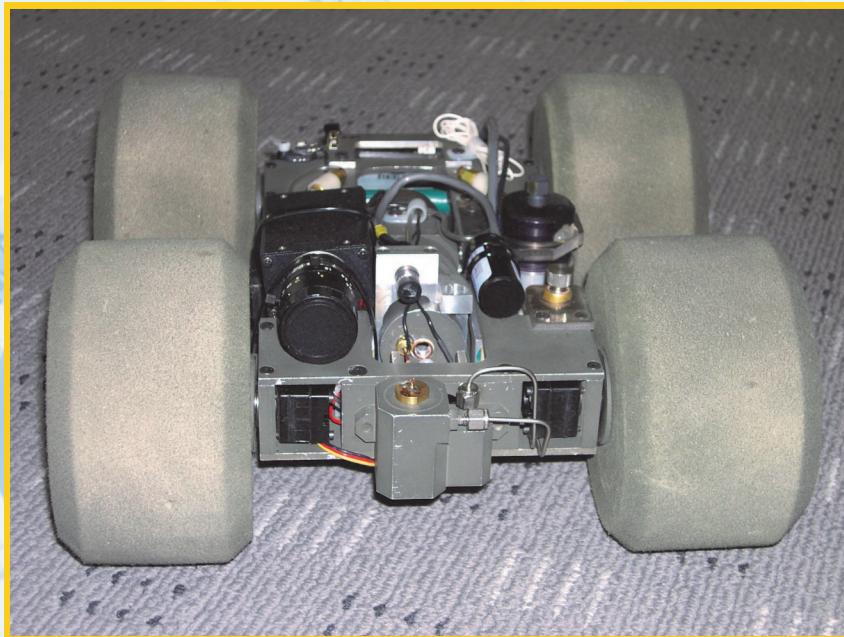


# Method for Reducing Background Clutter In a Camera Image

## Summary

Sandia has developed an eye-safe, robust, lightweight, and low-cost 3D structured lighting sensor for use in broad daylight outdoor applications. This newly developed sensor overcomes the current limitations of laser-based 3D sensors and can help with threat assessment for first responders, crime scene investigation, and any other scenario which requires accurate 3D mapping.

Currently available laser scanners are slow, bulky and heavy, expensive, fragile, short-range, sensitive to vibration, and unreliable for outdoor use in bright sunlight conditions. The technology developed by Sandia overcomes these limitations and contributes to the realization of intelligent machine systems reducing manpower.



Structured lighting concept demonstrated on a robotic vehicle.

## Licensing & Partnering Status:

Various license and partnering options are available. Please contact the Intellectual Property department to discuss.

## Technology Readiness Level:

Sandia estimates this technology's TRL at level 5. Key elements of the technology have been demonstrative in relevant environments.