

### Third Laureate Applied Research



- **Project title:** Laser warning and deception system
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#### **Abstract:**

Laser guided weapons due to high accuracy and efficiency in precise targeting are widely used for destruction of critical points in strategic centers. Laser warning and deception systems are capable of detection of laser guided bombs and missiles. This system was designed fabricated and tested successfully.

The received laser signals are analysed, the necessary data are extracted and relevant protective smoke screen is formed. A laser (repeater) generates necessary pulses and sends them to the missile seeker through a false target. In consequence, the threat missile is deviated towards the false target and the main targets are protected.

The whole operation takes less than few seconds and system has been tested and verified by using real ammunition. Decoding sophisticated guided laser signals and repetitin of these coded pulses as well as formulation & generation of absorbing smoke for different spectral region has been the outcome of these research activities.