

# TECHNOLOGY AVAILABLE FOR LICENSING

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**University of  
Dayton**

## Determination of Threat via a Single Image

### Advantages:

- Only a single FLIR image is required
- Low cost
- Rapid assessment
- More accurate than traditional methods
- Effective when target wears glasses/sunglasses
- Long effective range

### Applications:

- Security—Airport/Border
- Law enforcement
- Training
- Assessment of worker fatigue
- Workload assessment
- Therapy sessions
- Gaming

### Description:

This technology allows the user to determine the stress level of a human target from a single infrared (FLIR) image. Unlike current technologies that require physical contact and/or several minutes of constant monitoring, this technology can do an accurate assessment with a single image.

The technology was developed at the University of Dayton by Dr. R. Matthew Montoya and it is currently the subject of a provisional patent application.

#### Inventors:

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#### UD Reference #:

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