



# Air Force Research Laboratory | AFRL

*Science and Technology for Tomorrow's Air and Space Force*

## **Success Story**

### **MR. JOSEPH KOESTERS HONORED BY ASSOCIATION OF OLD CROWS**



Mr. Joseph Koesters, of the Sensors Directorate's Electro-Optical (EO) Sensor Technology Branch, received the Association of Old Crows (AOC) 2002 EO/Infrared (IR) Award for his outstanding efforts as a supervisor and mentor. His significant developments in advanced technology programs include the areas of threat warning, expendable countermeasures, and deceptive jamming.



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## **Accomplishment**

Mr. Koesters received the AOC's 2002 EO/IR Award for his outstanding work guiding accomplishments in the Laser Infrared countermeasures Flyout Experiment (LIFE) Advanced Technology program, the EO/IR Tracker Countermeasures Advanced Technology program, and Multifunction EO Defense of United States Aircraft (MEDUSA) program.

## **Background**

LIFE is a premier program developing advanced laser-based deceptive jamming technologies for transition to large aircraft. Under Mr. Koesters direction, the LIFE program conducted a series of outstanding live fire tests, demonstrating superior capability to detect and jam infrared threat missiles.

The goal of the EO/IR Tracker Countermeasures Advanced Technology program is to replace reactive directed IR countermeasures (DIRCM) with new laser-based capability, allowing early detection of seekers and acquisition/tracking system prior to weapons employment. This technology program pushes technology to defeat emerging imaging threats as well as the scanning, reticle-based seekers in the current DIRCM implementations.

The MEDUSA program is investing in a 5-year effort to develop and demonstrate enabling technology to protect fighters, bombers, and low-observable aircraft from the growing EO threat. Solid-state conformal optical transceiver arrays, powerful search and detect lasers, and damage-level countermeasures are just a few of the enabling technologies under investigation.

Sensors  
Awards and Recognition

## **Additional information**

To receive more information about this or other activities in the Air Force Research Laboratory, contact TECH CONNECT, AFRL/XPTC, (800) 203-6451 and you will be directed to the appropriate laboratory expert. (03-SN-03)