



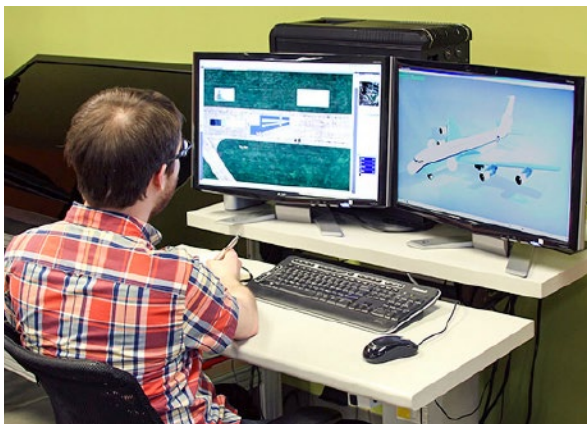
SENSORS & INFORMATION



SENSORS SYSTEMS

Expert research engineers delivering new knowledge and capabilities

Our research engineers create end-to-end solutions for complex sensor problems. These solutions range from fundamental R&D of sensor science, through the application of principles to create functional proofs-of-concept, and include the integration of solutions into payloads for flight test and tech transition. Our high-performance computing focus ensures that solutions are tailored toward real-world applications.



AREAS of EXPERTISE

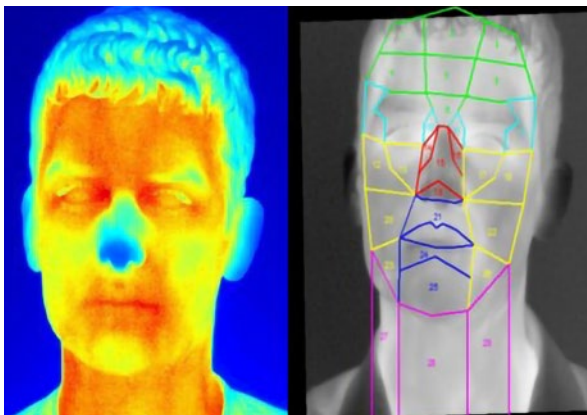
- **SENSOR TEST AND EVALUATION**
sensor systems design and prototyping (EO, IR, RF, SAR, LiDAR, Video)
- **OPEN SOFTWARE ARCHITECTURES**
OMS, SOSA, OSUS
- **REAL-TIME SYSTEM IMPLEMENTATION**
heterogeneous computing architectures, real-time algorithm implementation, FPGA, GPU
- **PAYLOAD INTEGRATION AND FLIGHT TEST SUPPORT**
- **EMBEDDED SENSOR PROCESSING**
- **REVERSE ENGINEERING**



SOFTWARE INFORMATION SOLUTIONS

Experienced systems integrators creating and tailoring solutions to meet customer needs

Our researchers and engineers create complete software solutions of algorithms and exploitation/visualization tools. We work with a diverse clientele and are experienced in many areas including image/data processing, machine/deep learning, big data, virtual/augmented reality, cyber security, situational awareness, interoperability, high performance computing, sensors, and next generation manufacturing.



AREAS of EXPERTISE

- **SOFTWARE SOLUTIONS**
application design, data visualization, Internet of Things (IoT)
- **INFORMATION PROCESSING AND COMPRESSION**
EO, IR, radar, hyperspectral, LiDAR, video
- **HUMAN MACHINE TEAMING**
augmented reality/virtual reality, interface design
- **IMAGE PROCESSING/MACHINE VISION**
- **MACHINE/DEEP LEARNING, ARTIFICIAL INTELLIGENCE**
- **CYBER SECURITY**