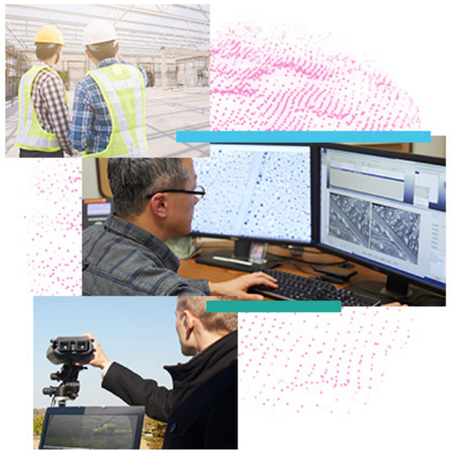

Computer vision

SRI pushes the frontiers of computer vision to enable machines to see, understand and remember. Our end-to-end video and processing technologies make computer vision work in the real world in applications including robotics, vehicles and people-worn systems.

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Our work

CASE STUDY **SRI INTERNATIONAL**

Semantically-Aware Navigation

CASE STUDY **SRI INTERNATIONAL**

Real-Time High-Precision Navigation and Mapping

CASE STUDY

Seeing the things that matter most

Core technologies and applications

SRI's Center for Vision Technologies tackles data acquisition and exploitation challenges across a broad range of industries and applications. Our researchers work on cross-disciplinary teams including robotics and artificial intelligence to advance, combine and customize technologies in areas including:

Computational sensing

Smart vision
Multi-sensor fusion
Embedded, low-power processing

2D-3D reasoning

GPS-denied navigation
3D modeling/mapping
Augmented reality
Surveillance
Biometrics

Collaborative autonomy

Semantic reasoning
Decision-making
AI-based control
Hierarchical planning

Human behavior modeling

Intelligent interactive systems
Human state assessment
Emotion detection
Communicating with computers
Human activity understanding

Vision analytics

Image and video search
Activity recognition
Fine-grain recognition
Social media analytics
Radio frequency machine learning (RFML)

Machine learning

Explainable AI
Lifelong learning
Creative AI
Approximate computing
Robust AI

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SRI offers a unique blend of academia and industry, which offers an opportunity to work on problems that involve research and are practically relevant.

Karan Sikka

Computer Scientist, Information & Computing Sciences

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