Quantum-enabled detection and imaging using modern laser technology

for homeland security, non-destructive evaluation and medical diagnostics

Svetlana Malinovskaya, Department of Physics

Method of Coherent anti-Stokes Raman Spectroscopy

Office of Naval Research Award: Remote detection of hazardous contaminants

US Patent 007847933: CARS microspectroscopy

NSF Award: Ultrafast control of Raman transitions for imaging