1997 Nobel Prize in Physics recipient Dr. William D. Phillips is a pioneer and leading researcher in laser cooling and trapping of atoms at the National Institute of Standards and Technology. His fundamental studies were used to develop applications for new kinds of physics measurements and processes such as high resolution spectroscopy, atomic clocks, atomic collisions, atom optics, bio-molecular interactions, and atomic-scale and nano-scale fabrication. Dr. Phillip's research was funded in part by the Office of Naval Research and has yielded many relevant naval applications, in particular precision timekeeping, navigation and quantum information, including unbreakable encryption. His current research includes Laser Cooling and Trapping of Neutral Atoms, Atomic-Gas Bose-Einstein Condensates and Quantum Information with Single-Atom Qubits. Read more about Dr. Phillips' Nobel Prize [here](#).