

2015 National Security Science and Engineering Faculty Award Winners

Name	University	Topic Area	Project Title
Ghrist, Robert	University of Pennsylvania	Dimensionality reduction	LOCAL-to-GLOBAL: Algebraic topology for data, networks, and systems
Schuller, Ivan	University of California, San Diego	Functional materials	Bio-Inspired Functional Hybrids: A new paradigm for solid-state devices
Aspuru-Guzik, Alán	Harvard	Quantum algorithms	Practical and Scalable Quantum Simulators for Chemistry and Materials
Engheta, Nader	University of Pennsylvania	Functional materials	Materials for Extreme Manipulation of Light, Sound, and Heat
Levy, Jeremy	University of Pittsburgh	Functional materials	Correlated Nanoelectronics
Palmstrøm, Christopher	University of California, Santa Barbara	Functional materials	Engineered Heusler Compound Heterostructures and Superlattices
Lukin, Mikhail	Harvard	Quantum metrology	Quantum Sensing and Metrology: Novel Methods and Applications