DOD Names New Class of National Security Science and Engineering Fellows

(June 29, 2015) - The Department of Defense (DoD) recently announced the selection of seven distinguished university faculty scientists and engineers forming the next new class of National Security Science and Engineering Faculty Fellows (NSSEFF). The NSSEFF program awards grants to top-tier researchers from U.S. universities to conduct long-term, unclassified, basic research of strategic importance to DoD. These grants engage the next generation of outstanding scientists and engineers in the most challenging technical issues facing the Department.

Up to $3 million of research support will be granted to each NSSEFF Fellow for up to five years. The fellows conduct basic research in core science and engineering disciplines that underpin future DoD technology development. This year's topics included quantum information science, engineering biology, neuroscience, nanoscience, novel engineered materials, and applied mathematics and statistics. In addition to conducting this unclassified research, the NSSEFF Program includes opportunities for fellows to participate in the DoD research enterprise and share their knowledge and insight with DoD military and civilian leaders, researchers in DoD laboratories, and the national security science and engineering community.

Upon successful completion of negotiations between their academic institutions and DoD research offices, grant awards will be made to the faculty members' home institutions for support of their research. DOD congratulates each of these remarkable scientists and engineers on their selection as National Security Science and Engineering Faculty Fellows.

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 meteorology	Quantum Sensing and Meteorology: Novel Methods and Applications