DOD Announces 2018 Class of Vannevar Bush Faculty Fellowship

Below, listed by name, academic institution and research projects, are the new members of the 2018 Vannevar Bush Faculty Fellows:

Name	Institution	Project
Cohen, Adam	Harvard University	Synthetic Bioelectrical Materials for Sensing, Pattern Formation, and Computation
Freedman, David	The University of Chicago	Generalized Computations for Cognition in Artificial and Biological Neural Networks
Graham, Michael	University of Wisconsin-Madison	Disentangling and controlling turbulent structure with nonlinear dynamics and machine learning
Greiner, Markus	Harvard University	Quantum-gas microscope model systems – a special purpose quantum computer
Guha, Supratik	University of Chicago	Atomic imprint crystallization and scanning near-field deposition for creating large area single crystal surfaces on amorphous substrates
Guibas, Leonidas	Stanford University	Data Geometry, Semantics, and Information
Hallgren, Sean	Pennsylvania State University	Exponential Speedups and Limitations of Quantum Computation
Kalidindi, Surya	Georgia Institute of Technology	Fusion of inherently incomplete and uncertain multiscale multiphysics materials knowledge in pursuit of novel engineered materials
Kim, Philip	Harvard University	Quantum Engineered van der Waals Heterostructures for Topological Electronic Structures toward Novel Device Applications
Kotov, Nicholas	University of Michigan	Hierarchical Materials Engineering with Chiral Ceramics
Swager, Timothy	Massachusetts Institute of Technology	Complex Smart Colloids