

## 2013 Young Investigator Award Recipients

**Dr. Pieter Abbeel**, University of California, Berkeley

Proposal Title: *Large-scale Semi-supervised Feature Learning for Robotic Perception and Control*

**Dr. Riccardo Bevilacqua**, Rensselaer Polytechnic Institute

Proposal Title: *Measuring Spatio-temporal Variations in Upper Atmosphere via Drag Controlled Nano Satellites and WINCS (Winds-ion-neutral-composition-suite)*

**Dr. Matthew Collette**, University of Michigan

Proposal Title: *Stochastic Network Algorithms for Model and Data Fusion in Complex Structural Systems*

**Dr. Sasan Fathpour**, University of Central Florida

Proposal Title: *Nonlinear Photonic Devices on Silicon*

**Dr. Ila Fiete**, University of Texas at Austin

Proposal Title: *The Interplay of Dynamics and Information Processing in Neural Computation*

**Dr. Kenan Gundogdu**, North Carolina State University

Proposal Title: *Diffusion, Relaxation, and Charge Separation Dynamics of Photoexcitations in Semiconductor Polymers*

**Dr. Pablo Jarillo-Herrero**, Massachusetts Institute of Technology

Proposal Title: *Quantum Transport and Optoelectronics in Atomically Layered Materials*

**Dr. Patrick Hopkins**, University of Virginia

Proposal Title: *Surface Chemistry and Geometry Effects on Nanoscopic Heat Transfer Processes at Solid/Fluid Interfaces*

**Dr. Zhaowei Liu**, University of California, San Diego

Proposal Title: *Ultrafast Blue and Green LEDs for Underwater Optical Wireless Communication*

**Dr. Timothy Lu**, Massachusetts Institute of Technology

Proposal Title: *Biologically Inspired Engineering of Underwater Adhesives with Synthetic Biology*

**Dr. Julius Lucks**, Cornell University

Proposal Title: *Towards Morse Code for Biology; Engineering RNA Circuitry for Decoding Temporal Information*

**Dr. Michael Rose**, University of Texas at Austin

Proposal Title: *A New Hybrid Molecular/Materials Approach to Semiconductor Surface Passivation for Application in a Solar Fuels Device*

**Dr. Jennifer Pazour**, University of Central Florida

Proposal Title: *The Design of Responsive Sea-based Logistic Delivery Systems*

**Dr. Chao Wang**, Virginia Polytechnic Institute and State University

Proposal Title: *Automated Software Model Generation for Identifying and Mitigating Concurrency Vulnerabilities*

**Dr. Yan Yao**, University of Houston

Proposal Title: *Developing Multivalent Ion Intercalation Batteries as High Energy and Safe Marine Distributed Power Sources*

**Dr. Michael Zdilla**, Temple University

Proposal Title: *Exploration of Energetic Manganese Metal-nitrogen-oxygen Complexes and Clusters*

### **For more information**

- Learn about the [Young Investigator Program](#)
- Review other [sponsored research](#) opportunities with the Department of the Navy and the Office of Naval Research