



Department of the Navy

Naval Research Laboratory – Washington, DC

Postdoctoral Projects - For Official Use Only (FOUO) - Unclassified

Additive Manufacturing of High Temperature Thermosets

Preferred PhDs: Organic Chemistry, Polymer Chemistry, Engineering

Anti-Fouling and Anti-Fog Microstructured Optical Surfaces

Preferred PhDs: Optical Science, Material Science

Cognitive Navigation

Preferred PhDs: Electrical Engineering, Computer Science, Mathematics

Design and fabrication of novel semiconductor-based optoelectronics

Preferred PhDs: Physics, Electrical Engineering, Materials Science

Electromicrobiology: using molecular and synthetic biology to investigate and develop electrical capabilities in living bacteria.

Preferred PhDs: Molecular Microbiology, Synthetic Biology

Faraday rotation (FR) observations of the solar wind in support of Parker Solar Probe

Preferred PhDs: Computer Science

Faraday rotation (FR) observations of coronal mass ejections (CMEs)

Preferred PhDs: Computer Science

Molecular Spin Quantum Materials

Preferred PhDs: Chemistry, Materials Science

Nanostructured Polymer Films for High Power Applications

Preferred PhDs: Physical Chemistry

Next Gen Insulation Materials – Hybrid Polymers

Preferred PhDs: Chemistry, Materials Science

Novel IR Transmitting Optical Polymers

Preferred PhDs: Materials Science, Materials Engineering (w/ Polymer Science Engineering background)

Plasmonics & Biology: Singular Control & Activation

Preferred PhDs: Chemistry, Bioengineering, Material Science

Power Beaming for Energy Delivery

Preferred PhDs: Electrical Engineering, Computer Science, Mathematics

Protein Engineering of Single Domain Antibodies (sdAb)

Preferred PhDs: Biology, Molecular Biology

Query generation for graphical comprehension assessment

Preferred PhDs: None given

Sorbents for Mitigation of Bulk Chemical Materials - Chemical warfare agents (CWAs)

Preferred PhDs: Chemistry, Chemical Engineering, Environmental Sciences

Sorbents for Mitigation of Bulk Chemical Materials – Slippery Liquid Infused Porous Surfaces (SLIPS)

Preferred PhDs: Chemistry, Chemical Engineering, Mechanical Engineering

Space Solar Concept & Technology Development

Preferred PhDs: Electrical Engineering, Computer Science, Mathematic

Material-Systems Intelligence via Neuromorphic Computing (MINC)

Preferred PhDs: Mechanical Engineering, Applied Mechanics, Materials Engineering