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, Mathematics

Material-Systems Intelligence via Neuromorphic Computing (MINC)
Preferred PhDs: Mechanical Engineering, Applied Mechanics, Materials Engineering