There are 32 MURI (Multidisciplinary University Research Initiative) topics that have just been released by the DoD. The MURI program is part of DoD's university research initiative and supports basic science and/or engineering research at U.S universities that is of critical importance to national defense. MURI awards are in the form of grants.

The topics are listed below. Detailed topic information can be found at the following link: http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=42747.

1. **Cellular, Molecular, Genetic and Biochemical Correlates of Training**
2. Removing the Botnet Threat
3. Machine Intelligence and Adaptive Classification for Autonomous Systems
4. Highly Decentralized Autonomous Systems for Force Protection and Damage Control
5. Bio-inspired Autonomous Agile Sensing and Exploitation of Regions of Interest within Wide Complex Scenes
6. Computational Intelligence for Decentralized Teams of Autonomous Agents
7. Dynamic Biological Adaptations to the Undersea Light Field
8. Grounding Language Understanding in Cognitive Architecture
9. Tailoring Electronic Bandgap of Nanostructured Graphene
10. Neurological System-Inspired Multifunctional Materials Design for Autonomous State Awareness against Exogenous Threats
11. Chemical Energy Enhancement by Nonequilibrium Plasma Species
12. Ultracold Molecules
13. Search for New Superconductors for Energy and Power Applications
14. Complex Nonperiodic Nanophotonics
15. Multi-Scale Fusion of Information for Uncertainty Quantification and Management in Large-Scale Simulations
16. Learning Decision Architectures for Intelligent Cooperative Control of Autonomous Systems
17. Information Dynamics In Networks
18. Synthesis, Analysis, and Prognosis of Hybrid-Material Flight Structures
19. Biophotonics: Optical Effects through Nature's Photonic Control
20. Fundamental Graphene Material Studies and Device Concepts
21. Application Software and Data Protection for Untrusted Platforms
22. Disruptive Fibers for Flexible Armor
23. Network-based Hard/Soft Information Fusion
24. Tailored Stress-Wave Mitigation
25. Integrated Quantum Circuits
26. Adaptive Structural Materials
27. Transformational Optics
28. Emergent Phenomena at Complex Oxide Interfaces
29. Application of Systems Biology to Regenerative Medicine
30. Mechanisms of Bacterial Spore Germination
31. Opportunistic Sensing
32. Cyber Situation Awareness