Final Project

For your final project submit a paper on a **control system** found on a military platform or in a weapon system. The project is due in accordance with the course syllabus.

The paper should meet the following requirements:

1. Include the statement at the end "All work submitted here is my own." and your signature.
2. Be not more than 2 typed pages.
3. Cite the references used for the project. Include the URL for any web sites used.
4. Include a photograph or drawing of the object being controlled. Label the kinetic and potential energy storage elements, the dissipative elements, and any elements which convert energy from one domain to another.
5. Discuss the parameters which the control system measures.
6. Discuss the actuator(s) which the control system drives to affect the output and any limitations of the actuator(s).
7. The system may **not** be one of the systems covered in the course lessons. That is:
    a. An automotive cruise control
    b. A gun turret
    c. Speed control of a generator
    d. Cruise missile speed control
8. Discuss anything interesting or unusual about this control system which you discover.
9. Discuss any errors or problems associated with the system (either in measurement or the response).
10. Discuss typical response times for the system.

Failure to meet the 10 requirements listed above will result in a maximum grade of a D.

You may not work with other students.

This assignment is not a "pro report". Unless it is related to the control system, I'm **not** interested in the following:

1. The history of the weapon system.
2. The cost of the weapon system.
3. A summary of its capabilities or performance parameters.