

TERM PROJECT

Select an oceanographic, geophysical, biological, or atmospheric application of some type of remote sensing data. Find a local expert who is willing to guide you through the term project.

REPORT 1 - Find 2-3 recent publications on the topic. Write a 1-2 page summary of the application and include copies of the title papers of the publications. The summary should include:

- a) The overall objective of the application. (For example, Lee Fu has been using Topex/Poseidon altimeter data to measure the change in the strength of Gulf Stream flow.)
- b) How the investigator uses the remote sensing data, limitations, . . .

REPORT 2 - Find 1-2 other engineering papers describing how a particular remote sensing instrument and spacecraft function. Search the web for all the sensors that may provide the relevant data. Obtain a sample of the most appropriate remote sensing data and locate software that can be used to process the data. Write a 1-2 page report on the two engineering papers and include a table with the available sensors.

REPORT 3 - Perform one or more of the data processing steps outlined in the application papers and write a report on your results.

The **3** reports make up the term paper. There will also be oral presentations at the end of the quarter.