Important note: The response to the Research Assignment should be uploaded in Blackboard.

This is the first of four or five research assignments of the semester. The purpose of these assignments is to introduce you to current topics of interest in signal processing and to help you develop your technical research and reading skills. The topic of this assignment is signal processing for ocean applications. The assigned article is:


Mason Libraries has a subscription to IEEE Signal Processing Magazine, and this resource is available electronically. To use Mason’s library subscription, look for the IEEE/IET Electronic Library on the Library Database list:

http://infowiz.gmu.edu/dbs/subjects/databases/I

Click on the IEEE/IET library link and then use IEEE’s built-in search function to find the article or simply browse the magazine archives. Note that if you access the library site from off campus, you will be prompted to provide your Mason username and password. You can find a direct link to the article using it’s Digital Object Identifier (DOI):

http://dx.doi.org/10.1109/MSP.2012.2230544

Check out Wikipedia if you want more information on DOIs. Note that you should be able to access the article directly via the DOI if you are using the campus network. If you’re not using the campus network, you will need to go through the library website.

After reading the assigned article, please prepare the following:

- A paragraph summarizing the main points of the article. This summary should be 10 lines to 1/2 page in length. The summary should be written in continuous prose (not bullet points) and should be written using proper English grammar and syntax.

- Answers to following questions:
  
  (a) Name one thing out of the article that made you curious and say what you did to find more information about that topic.
  
  (b) What was the most difficult aspect of the article to understand? Why is it difficult?
  
  (c) Would you recommend this article to others? Why or why not?

Turn in a 1-page document including your summary and answers to the questions in Blackboard. Hard copy submissions will not be accepted.