

Land Remote Sensing
Assignment #2: Applications of surface scattering behavior
Due: Sept 21, 2015

Choose one published research article from the list below, or another that follows the same general theme of using angular variations in scattering to infer surface properties (please check with me if you wish to use an article not listed below). Read the article, looking up unfamiliar terms and checking references or more recent papers as needed to facilitate your understanding. Then, taking at most 5 minutes, you will summarize the article for your classmates and for me *in class on Monday, September 21st*, so that we can all gain a better appreciation for the wide range of approaches and applications for these types of measurements. Your summary should include your paper's title and authors, the dataset(s) used therein, and what photometric model was applied (to the extent that you can reasonably explain it in only a minute or two). Most importantly, you should describe what information the authors were able to derive, and why it is useful. You may show a few slides or write on the whiteboard if this will help you to illustrate any of the above, but you are not required to do so.

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- Nolin, A. W., and M. C. Payne (2007). "Classification of glacier zones in western Greenland using albedo and surface roughness from the Multi-angle Imaging SpectroRadiometer (MISR)." *Remote Sens. Environ.* 107, 264–275.

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- Shepard, M. K., and P. Helfenstein (2007). “A test of the Hapke photometric model.” *J. Geophys. Res.* 112, E03001.
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