

1046-YY-1698      **Catherine Beneteau\*** (cbenetea@cas.usf.edu), **Kristin Pfabe** and **Karen Shuman**. *A Student Project on Lifting Algorithms for Wavelet Transformations.*

In this talk, we will discuss an end of semester project on lifting algorithms for students who have studied discrete wavelet transformations and their applications. In particular, we will define what lifting means, why it is useful for memory allocation and computational speed, and what some of its applications are (for example, in integer to integer transformations). In addition, we will give some concrete ideas about what a student might be expected to produce in such a project. (Received September 16, 2008)