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**Ryan C. Thompson\*** ([ryan.thompson@ung.edu](mailto:ryan.thompson@ung.edu)), Department of Mathematics, University of North Georgia, 82 College Circle, Dahlonega, GA 30597, and **John Holmes** ([holmes.782@osu.edu](mailto:holmes.782@osu.edu)), Department of Mathematics, The Ohio State University, 231 West 18th Avenue, Columbus, OH 43210. *Well-posedness and Continuity Properties of the Fornberg-Whitham Equation in Besov Spaces.*

In this presentation, we will exhibit well-posedness of the Fornberg-Whitham equation in Besov spaces  $B_{2,r}^s$  in both the periodic and non-periodic cases. This will imply the existence and uniqueness of solutions in the aforementioned spaces along with the continuity of the data-to-solution map provided that the initial data belongs to  $B_{2,r}^s$ . We will also provide a result on the sharpness of continuity on the data-to-solution map by showing that it is not uniformly continuous from any bounded subset of  $B_{2,r}^s$  to  $C([-T, T]; B_{2,r}^s)$ . If time permits, we will observe a Cauchy-Kowalevski type theorem for this equation that establishes the existence and uniqueness of real analytic solutions and also provide blow-up criterion for solutions. (Received September 14, 2016)