

1142-47-111

Munirah Ajjuaid and **Flavia Colonna*** (fcolonna@gmu.edu), Dept. of mathematical Sciences, George Mason University, 4400 University Drive, Fairfax, VA 22030. *Composition operators on spaces of harmonic mappings*. Preliminary report.

Let φ be an analytic self-map of the open unit disk in the complex plane. In this talk, we study the composition operator C_φ acting on the harmonic counterparts of the α -Bloch spaces, the growth spaces, the Besov spaces, and the Zygmund space. We characterize boundedness, compactness, and describe the isometries. We also determine the eigenfunctions of C_φ acting on the harmonic Bloch space. (Received August 31, 2018)