1145-F1-351   **Eze R Nwaeze*** (`enwaeze@tuskegee.edu`), Department of Mathematics, Tuskegee University, Tuskegee, AL 36088. *Generalized weighted trapezoid and Grüss type inequalities on time scales.*

In this talk, some new generalized weighted trapezoid and Grüss type inequalities on time scales, with a parameter function $\psi : [0,1] \to [0,1]$, are presented. Our results give a broader generalization of some theorems in the literature. In addition, we discuss the cases when the time scale is $\mathbb{R}$ and $\mathbb{Z}$. (Received September 03, 2018)