

1125-39-1075      **S N Elaydi\*** ([selaydi@trinity.edu](mailto:selaydi@trinity.edu)), One Trinity Place, San Antonio, TX 78212, and **E C Balreira** and **R Luis**. *Monotone Discrete Dynamical systems*.

In this talk we will present the latest results on the global stability of monotone maps on finite-dimensional Euclidean spaces. Applications to biological models such as the  $n$ -dimensional Leslie-Gower and the Ricker models will be given. Related open problems and conjectures will be presented. (Received September 14, 2016)