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Saber N. Elaydi* (selaydi@trinity.edu), one Trinity place, san antonio, TX 78212, and **Laila Assas, Eddy Kwessi, George Livadiotis** and **Brian Dennis**. *Hierarchical models with the Allee effects and fluctuating habitats*. Preliminary report.

In this talk we introduce a periodic difference equation to model a hierarchical system of multispecies with the strong Allee effect and periodically fluctuating habitat. We develop the mathematical foundation of nonautonomous triangular maps which will be applied to our hierarchical competition model with the strong Allee effect. (Received February 03, 2015)