THE UNIVERSITY OF ALABAMA IN HUNTSVILLE
MATHEMATICAL SCIENCES COLLOQUIUM

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Bounded Solutions for Impulsive Semilinear Evolution Equations with Nonlocal Conditions

Date: **Thursday, December 6, 2018**

Time: **3:00 p.m. – 4:00 p.m.**

Place: **Shelby Center 218**

Abstract - In this talk we study and establish the existence of bounded solutions for some classes of impulsive semilinear evolution equations with nonlocal conditions. Under some additional assumptions, it will be shown that these bounded solutions are periodic. These results can be applied to various partial differential equations including Burger's equations and the Benjamin-Bona-Mohany equation with impulses and nonlocal conditions.

About Dr. Hugo Leiva – Upon completing his PhD Dissertation at Georgia Tech in the United States of America, Prof. Hugo Leiva went back to his home country of Venezuela to continue his teaching and research at the Andes University. He has had a huge impact on many students which he trained both at the undergraduate and graduate levels. He directed numerous doctoral theses during his tenure in there. Prof. Hugo Leiva research is in differential equations, control theory, and functional analysis. He published over 140 research papers in mathematics. He received many awards and held numerous visiting professor positions including at Georgia Tech.

Refreshments will be served at 2:30 p.m. in SST 258A.