Title: Tracking Trajectories of Migrating Birds Around Skyscrapers

Students: Arik W. Brooks and Nicholas J. Patrick

Advisors: Dr. Thomas L. Stewart, Dr. Brian D. Huggins, Dr. Donald R. Schertz

Project Description:

A system will be developed to track the flight paths of birds flying near a skyscraper and determine the trajectory of each bird's path using stereoscopic imaging. The system will calculate the position of each bird in three-dimensional space for every frame, and a confidence level will be determined for each trajectory found. The trajectories will be displayed in three dimensions along with the confidence level for each bird. This is a continuation of a project that was done in the 2002-2003 school year at Bradley University by Brian Crombie and Matt Zivney.

Project Abbreviation: TBIRD