We seek a PhD student for a project that uses advanced terrestrial, airborne, and satellite remote sensing technologies, including lidar and UASs (Unmanned Aerial Systems), to quantify biomass and carbon changes in rangeland and forest ecosystems. The student will be enrolled in the Department of Ecosystem Science and Management (http://essm.tamu.edu/) at Texas A&M University working with Dr. Sorin Popescu (http://essm.tamu.edu/people/faculty/popescu-sorin/). Individuals interested in lidar remote sensing and applications for assessing vegetation biophysical parameters at multiple scales, such as forest biomass and carbon assessment and 3-D canopy structure for ecosystem studies, are encouraged to apply. Applicants should be comfortable working occasionally in field conditions for in-situ data collection. Funds for stipend and tuition are available for three years. Preference will be given to students with a prior MSc in a related field, ideally familiar with lidar remote sensing, processing algorithms, and having at least basic knowledge in statistical analysis and programming languages, such as R or IDL. Candidates should be available to start as early as fall of 2015 or soon thereafter. Interested individuals should send a cover letter, curriculum vitae, and university transcripts to Dr. Sorin Popescu.