We are seeking a highly motivated graduate student (MS) with an interest in fire ecology, image processing, and forest modelling and analysis to participate in a collaborative project between Texas A&M University-Kingsville and USDA Forest Service, addressing wildfire impacts on forest resilience and sustainable management under climate change. Funding will be available through research stipend and teaching scholarships at Texas A&M University-Kingsville.

Our lab has broad interests and expertise in forest landscape modeling and geo-spatial analysis. The student will be expected to make use of forest landscape models, Forest Inventory and Analysis (FIA) data, aerial photographs and satellite images and related geo-spatial climate and soil data.

Qualification: B.S. in Remote sensing (RS)/Geographic Information Science (GIS), Geospatial Data Science, forestry, ecology, geography biology and environmental science or a closely related fields. Excellent English writing and communication skills are essential. Self-motivated and highly organized. Ability to multitask and work cooperatively with others.

Preferred Skills:
Experience in aerial photographs and satellite images, with RS image processing & analysis software (e.g., ENVI, ERDAS IMAGINE)
Proficiency in statistical software (R statistical programming) and developing geo-data applications
Experience with Google Earth Engine

Deadline for application: July 15, 2022. Review of applications will begin immediately and continue until a suitable candidate is identified.

Start Date: The successful candidate is expected to start in August 2022 or January of 2023.

For more information contact Dr. Weimin Xi (https://drxilab.netlify.com/index.html) by email (weimin.xi@tamuk.edu) with a single document containing a letter of interest describing previous educational and research experience, CV, copy of academic transcript (official or unofficial), and contact information for three references.