PhD Research Assistant Position Announcement

Position description:

The Crop Ecophysiology and Precision Agriculture Lab at Texas Tech University (TTU) is seeking applications for a PhD Research Assistant position for pursuing Ph.D. studies with research focus on remote sensing and data analytics for precision agriculture and high-throughput plant phenotyping. We conduct exciting research in remote sensing and data analytics to investigate the factors contributing to the sustainability of agricultural systems, including spatial and temporal variability of plant growth and soil properties, crop stresses, crop disease, and crop productivity. The research assistant is expected to produce project reports, present research findings in conferences, and publish research findings in peer-reviewed journals.

Requirements:

Master’s degree in agronomy, crop science, soil science, crop physiology, agricultural engineering, or environmental science.

- Knowledge and proficiency in the areas of remote sensing and digital image processing; experience in UAV image processing is highly preferred.
- Demonstrated programming skills in Python or R are highly preferred.
- Demonstrated scientific writing proficiency; at least one refereed journal article is required, preferably on remote sensing related topics.
- Ability to work independently as well as collaboratively in an international, interdisciplinary team across institutes; very good communication and organizational skills.
- Excellent command of the English language
- Motivated and driven; Willingness to perform field work.

Application:

To apply, please submit a complete CV, research statement, personal statement, unofficial university degree records (both Bachelor’s and Master’s degree), as well as three reference letters.

Contact:

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