



## **Doctoral Student in *Artificial Intelligence Applications to (re)Design Climate-Resilient Water Resources Infrastructure***

University of Nebraska-Lincoln's Hydroinformatics and Integrated Hydroclimate Research Group (HIH) is offering a Ph.D. position on Artificial Intelligence Applications to (re)Design Climate-Resilient Water Resources Infrastructure in the Department of Biological Systems Engineering or the School of Natural Resources. We look for an enthusiastic individual able to collaborate within a diverse and inclusive environment, curious to engage in basic and applied research, and eager to transform her/his research into innovative approaches to (re-)design climate-resilient water resources management in agricultural and urban landscapes. The incumbent will be part of an interdisciplinary and multi-national group of computer scientists, hydrologists, climatologists, biological systems and electrical engineers, policy scientists and educators working on climate-resilient water systems to extreme hydrometeorological and climate events (EHCEs). The HIH and collaborators create and implement analytics and information technologies that integrate modeling, remote sensing, and field observations. One of the goals is to inform farmer-to-agency decision-making. We look for candidates with (1) strong programming skills (C, Fortran, Python or other programming languages); (2) strong oral and writing communication skills; (3) interests and commitment to interdisciplinary and team-based research; and (4) a bachelor's or master's degree in atmospheric sciences, civil engineering, computer science, or other scientific and engineering backgrounds are encouraged to apply. The selected candidate will also be the recipient of the Robert B. Daugherty Water for Food Graduate Fellowship.

Review of applications will begin immediately and will proceed until August 1st, 2020, or until the position is filled. Applications should be submitted electronically containing CV; a one-page of Research Interests; (3) two recommendation letters sent to [fmunoz@unl.edu](mailto:fmunoz@unl.edu) (use in the subject "Design Climate-Resilient Water Resources Infrastructure"). For more information, contact Francisco Munoz-Arriola about the position, the start date, and additional specifics on UNL and the graduate program.

The University of Nebraska-Lincoln and the Robert B. Daugherty Water for Food Global Institute are characterized by their local-to-global perspectives tackling food, water, and energy security. Both institutions are located in Lincoln, NE, one of the most livable cities in the US.