**UVM Team Announces Availability of Four NSF Funded PhD Fellowships Spanning Computer Science, Civil & Environmental Engineering, and Sustainable Development**

We are recruiting four PhD candidates to join our cutting-edge transdisciplinary NSF funded research on *Innovative Approaches for Integrating Precision Agriculture Technologies with the Future of Farms*. This Future of Work at the Human-Technology Frontier (FW-HTF) project will advance understanding and build stronger human-machine networks in agriculture via socially and ethically desirable precision agriculture technologies and workforce augmentation. Precision agriculture employs data-based agricultural technologies and field data to generate site-specific farm recommendations to improve farm productivity and environmental sustainability. This project will use study sites within Vermont and South Dakota to:

(1) Leverage data from advanced remote sensing (drone based lidar, hyperspectral sensing, and imaging) with field monitoring to design AI-inspired tools to improve the sustainability of farms;

(2) Pilot an on-farm, sensor-driven performance-based payment for ecosystem services mechanism; and,

(3) Implement principles of responsible innovation to draw policy-relevant insights to strengthen human-machine networks in agriculture.

As a member of this team, you will participate in unique learning and professional development experiences that include learning to communicate your science, and engaging with UVM's Gund Institute for the Environment, Spatial Analysis Lab, Social Ecological Gaming and Simulation Lab, Neurobotics Lab, Center for Cybersecurity, Institute for Environmental Diplomacy and Security and/or Center for Complex Systems.

These positions come with a research assistantship that is renewable through August 2024. Candidates should enroll in a UVM graduate program for the fall 2021 term if possible, but should be preferably on campus by June 1, 2021 to begin work.

**To apply**: please send CV, contact information for three references, and a cover letter outlining research interests, expertise and availability to Asim Zia (Asim.Zia@uvm.edu) or Donna Rizzo (Donna.Rizzo@uvm.edu). Applications received by January 10th, 2021 will receive full consideration, but the search will continue until these positions are filled.