

Graduate Assistantship: Environmental Sensors & Water Quality



Project Description: Funding is available for a graduate position using networks of sensors to assess water quality and microbial activity in real time. The successful student will deploy networks of low-cost nitrate, dissolved oxygen, and temperature sensors to assess environmental processes including denitrification, photosynthesis, and greenhouse gas production. Opportunities are available to work in natural systems (streams in forested and agricultural settings) and wastewater bioreactors.

Position is in the lab of [Dr. Jake Hosen](#), Purdue University Forestry & Natural Resources.

Start Date: January-August 2020

Qualifications: Bachelor's degree in biology, chemistry, env. science, computer science or similar (broadly interpreted). Experience with environmental analytics (R, Python) and embedded computing (Arduino, PlatformIO) is preferred.

To Apply: Send cover letter, C.V., and contact information for three references to Jake Hosen (jhosen@purdue.edu). Purdue University is an EEO/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.