**Research Assistantship for New Doctoral Student interested in Food-Energy-Water Nexus Research at Oregon State University**

The School of Civil and Construction Engineering at Oregon State University invites applications for a PhD position in area of food-energy-water nexus and decision support systems. The position is funded via a research assistantship, which includes tuition waiver, a competitive graduate stipend, and health benefits. Student should have experience with Soil Water Assessment Tool and similar watershed models, as well as multi-objective optimization. Research includes collaborating with existing team towards development and evaluation of a secure decision support system for coordination of adaptation planning among food, energy, and water actors in the Pacific Northwest. The candidate would be expected to assist with stakeholder engagement, develop computer models involving simulation-optimization algorithms, conduct research experiments and publish the results in high caliber, peer reviewed journals.

Desired skills include

1. extensive research experience and the ability to work effectively in an interdisciplinary project,
2. excellent oral and written communication skills,
3. expertise in hydrology, water resources systems analyses, decision support systems, and expert systems,
4. strong programming skills in Python, C++, JAVA, SQL, and JavaScript, and
5. expertise in statistical analysis and applications such as R or SPSS.

Students interested in applying for this position must contact Dr. Meghna Babbar-Sebens (meghna@oregonstate.edu) via email at earliest convenience. Position is expected to start as early as Fall 2019, but with flexibility to start at a later term. Students can apply to the Ph.D. Program by visiting the online application site: <https://oregonstate.force.com/GradAppLogin>.