

■ Breakthroughs in Water Security Research: The Global Institute for Water Security Distinguished Lecture Series

The Global Institute for Water Security (GIWS), in conjunction with the School of Environment and Sustainability (SENS), is proud to present a weekly seminar series featuring the top water experts from around the world. These lectures are free and open to the public. Additionally, graduate students are able to enroll in the series for credit (as part of **ENVS 827, Breakthroughs in Water Security Research**).

Week 4: Prof. Ying Fan Reinfelder

Three Hydrologic Depths of the Earth's Critical Zone

Wednesday, October 25, 2017

3:30 p.m.

Innovation Place Candle Room

Ying Fan Reinfelder is a professor in the Department of Earth and Planetary Sciences, Rutgers University. Her research centers on the global water cycle as a regulator of energy and biogeochemical cycles, in the distant and recent geologic past, the present, and the near future. In particular, she strives to shed light on plant-water relations below the ground, something difficult to observe. Through synthesis of observations and mechanistic models she tests hypotheses on how land hydrology shapes the structure and evolution of the Earth's Critical Zone and its biota.



Professor Reinfelder is currently a member of NASA's Earth Science Advisory Committee and a proposal reviewer for National Science Foundation, NASA, United States Geological Survey and United Kingdom NSERC. She is also the associate editor for Hydrological Processes (published by Wiley) and guest co-editor of the Hydrological Processes Special Issue on Water in the Critical Zone.

For more details on the Distinguished Lecture Series, please visit usask.ca/water



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