

NRESS PHD PROGRAM DISSERTATION DEFENSE

CARBON EMISSIONS FROM STREAMS AND RIVERS: INTEGRATING METHANE EMISSION PATHWAYS AND STORM CARBON DIOXIDE EMISSIONS INTO STREAM AND RIVER CARBON BALANCES

PRESENTER ANDREW ROBISON



River networks play an important role in carbon cycling at watershed, regional, and global scales. They serve as pipes that transport carbon from the watersheds they drain, and as complex processors that

modify the timing, form, and magnitude of these fluxes. My research examines the sources of and controls on carbon dioxide and methane emissions from streams and rivers. Using emerging sensor technology and novel monitoring designs, I describe these dynamics on rarely observed temporal and spatial scales, thereby informing a more robust accounting of stream ecosystems in global carbon budgets.



NATURAL RESOURCES AND EARTH SYSTEMS SCIENCE (NRESS) PH.D. PROGRAM



ALL WELCOME

WHEN
Friday
April 16, 2021
11:00am

WHERE
Via Zoom

<https://unh.zoom.us/j/97357384513?pwd=dmNlaytoOXVpdM9YYnlMOHdxci9tdz09>

Password: Streams

ADVISOR
Dr. Wilfred Wollheim

DEGREE
**Earth &
Environmental
Sciences (EES)**