

LSGI Talk Series: Emerging Topics in Geospatial and Urban Science

Earth Greening and the Vegetation-energy-carbon Nexus



Dr. Chi Chen

*Postdoctoral researcher
Lawrence Berkeley National Laboratory, USA*

Date: 22 July 2021 (Thursday)

Time: 10:00am - 11:30am

Venue: Online

Language: English

Speaker:

Bio:

Dr. Chi Chen is a postdoctoral researcher in the Climate and Ecosystem Sciences Division at Lawrence Berkeley National Laboratory. He is also affiliated with the Department of Environmental Science, Policy and Management at the University of California, Berkeley. With a B.E. from Wuhan University and an M.A. and Ph.D. from Boston University, Dr. Chen is specialized in remote sensing, land-atmosphere interactions, and carbon and water cycles.

Abstract:

Vegetation green leaves produce sugars using energy in the sunlight to mix atmospheric carbon dioxide with water and nutrients pumped in from the ground. These sugars are the source of food, fiber, and fuel for life on Earth. During these processes, vegetation controls the largest terrestrial carbon and water fluxes between the land and atmosphere, known as terrestrial photosynthesis and transpiration. Thus, vegetation activity is key to controlling the exchange of energy, water and carbon in the biosphere. In this talk, Dr. Chen will overview his work in satellite monitoring of Earth greening and the impacts of Earth greening on terrestrial energy and carbon cycles.

Deadline for registration: 20 July 2021 (Tue)

All are welcome. To register, please click [here](#) for the details.

Registrants will receive the online talk information one day before it starts.

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