



## CEE691 Seminars in Civil and Environmental Engineering

# Validating Vegetation Index Time Series Data from Suomi NPP Visible Infrared Imaging Radiometer Suite

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**Location: Bilger Hall 335, Date: Wednesday, March 2, 2016, Time: 1:30 – 2:20 pm**

**Speaker:** Tomoaki Miura is Professor of Remote Sensing and Geospatial Analysis in the Department of Natural Resources and Environmental Management (NREM) at UH Manoa. He is the lead of calibration/validation activities for Visible Infrared Imaging Radiometer Suite (VIIRS) Vegetation Index products of the Joint Polar-orbiting Satellite System (JPSS) program, the next generation operational polar-orbiting satellite series of the United States.

### Abstract

Satellite vegetation index (VI) time series data serve as an important means to monitor and characterize seasonal changes of terrestrial vegetation and their interannual variability. It is, therefore, critical to ensure quality of such VI products. VI products is being generated from Earth-reflected radiance data collected with the Visible Infrared Imaging Radiometer Suite (VIIRS) sensor onboard the Suomi National Polar-orbiting Partnership (NPP) satellite platform, a precursor to the Joint Polar-orbiting Satellite System. In this seminar, various activities and tools developed for validation and quality monitoring of VIIRS VI products will be introduced. A summary of latest validation results will be presented along with discussions of upcoming activities.

