

## **Seiji Steimetz**

*Incentives to Reduce Air Pollution by Reducing Ship Speeds:  
Evidence from the Port of Long Beach Green Flag Program*

**Date: Wednesday, November 19<sup>th</sup>, 2014**

**Location: USC RGL 209**

**Time: Noon to 1:45 pm**

**RSVP to Janet Kleinman at [janetkle@usc.edu](mailto:janetkle@usc.edu)**



**Seiji Steimetz** is Associate Professor and Associate Chair of Economics at the California State University, Long Beach, and a member of the METRANS Transportation Center Executive Committee. His research interests include transportation, urban, and environmental economics, with an emphasis on applied econometrics and methodology. Dr. Steimetz has published his research in leading economics and interdisciplinary journals.

**Abstract:** We investigate the impact of pricing incentives for vessel-speed reduction policies by analyzing data from the Port of Long Beach “Green Flag” program. Using discrete-choice econometric methods, we estimate the relationship between dockage-fee discounts and speed-reduction compliance rates while controlling for vessel and operator characteristics. Our findings suggest that such discounts are effective incentives to reduce ship speeds and thus ship emissions. We also find that discount effects depend on vessel characteristics, suggesting a role for differentiated pricing policies.