ARIZONA STATE UNIVERSITY

TRANSPORTATION SEMINAR

Renewable Fuels from Wastes: Supply Potential, Economics and Carbon Mitigation from Renewable Natural Gas

Friday, September 16, 2016
3:00pm to 4:30pm

College Avenue Commons Atrium (3rd Floor)

Nathan Parker

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Renewable natural gas (RNG) has the potential to diversify and decarbonize natural gas as a transportation fuel. RNG is produced from a range of waste sources that are distributed across the landscape with uneven access to natural gas or refueling infrastructure. Natural gas fueling infrastructure is also uneven across space and CNG/LNG make up only 3% of fuel consumption in the U.S. This talk will examine the potential for RNG as a transportation fuel from the perspectives of supply, demand and to meet policy goals to produce renewable fuels and to reduce the carbon intensity of transportation fuels.

Nathan Parker is an Assistant Research Professor in the School of Geographical Sciences and Urban Planning at Arizona State University. Dr. Parker develops simulation models to shed light on the economic viability and environmental implications of alternatives to petroleum-based transportation fuels. These models are spatially explicit, include important details about alternative fuel technologies, and bring together both the supply chain and demand components of these industries. In addition, his work analyzes policies aimed at catalyzing transitions to renewable energy.

http://goo.gl/A9e8aq

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