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### **OSCAR FRANZESE AND BILL KNEE RECEIVE PYKE JOHNSON AWARD FOR BEST PAPER**

January 24, 2011 - CTA researchers Oscar Franzese and Bill Kn  e received the Pyke Johnson Award for the Best Paper in the Area of Planning and Environment. They received their award for the paper, ""Effect of Tires on Class-8 Heavy Truck Fuel Efficiency," at the Thomas B. Deen Distinguished Lecture during the annual Transportation Research Board Award Ceremony. This paper presents the results of a year-long project sponsored by the U.S. Department of Energy's Office of Vehicle Technologies. It focuses on the analysis of some of the extensive real-world information collected, specifically on the assessment of the effect that different types of tires (i.e., dual tires vs. new generation wide-based single tires or NGWBST's) have on fuel efficiency of Class-8 trucks. The results show that the fuel efficiency improvement increases as the number of NGWBST's on the truck increases, with observed improvements of around 6% when either the tractor or the trailer was equipped with NGWBST's and more than 9% when both were mounted with these types of tires. Michelin Americas Research Company (Greenville, SC) and Schrader Trucking (Jefferson City, TN) participated in the study. CTA researchers Gary Capps and Mary Beth Lascurain also contributed to the study. The paper will be published in the TRB Transportation Research Record.



Pictured Left to Right: Robert C. Johns, Chair, TRB Technical Activities Council, Bill Kn  e, Transportation Systems Research Group Leader, Oscar Franzese, Center for Transportation Analysis Researcher.

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