

Matthew J. Barth

Matthew Barth (Member 1990, Senior Member 2000) is the Yeager Families Professor at the College of Engineering, University of California-Riverside. He is part of the intelligent systems faculty in Electrical Engineering and is also serving as the Director for the Center for Environmental Research and Technology (CE-CERT), UCR's largest multi-disciplinary research center. He received his B.S. degree in Electrical Engineering/Computer Science from the University of Colorado in 1984, and M.S. (1985) and Ph.D. (1990) degrees in Electrical and Computer Engineering from the University of California, Santa Barbara. Dr. Barth joined the University of California-Riverside in 1991, conducting research in Intelligent Systems.

Dr. Barth's research focuses on applying engineering system concepts and automation technology to Transportation Systems, and in particular how it relates to energy and air quality issues. His current research interests include ITS and the Environment, Transportation/Emissions Modeling, Vehicle Activity Analysis, Advanced Navigation Techniques, Electric Vehicle Technology, and Advanced Sensing and Control.

At UC-Riverside, he has developed new curriculum in intelligent transportation systems and is an active faculty participant in the California Partners for Advanced Transit and Highways (PATH). He is very active in the U.S. Transportation Research Board serving in a variety of roles in several committees. He recently won the Pyke Johnson Award for TRB outstanding paper. He has also served on a number of National Research Council (NRC) Committees. Dr. Barth has also been active in IEEE ITS Society conferences for many years as a presenter, invited session organizer, session moderator, reviewer, associate editor, and on international program committees. He is currently the program chair for ITSC09.