

Adaptive Traffic Control Solutions

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This session takes a look at adaptive control systems in general but specifically SCOOT (Split Cycle Offset Optimization Technique) and ACS (Adaptive Control Systems) Lite. This presentation explains how these systems reduce travel times, gasoline consumption, hydrocarbons and carbon monoxide.

Some of the questions addressed are:

What is adaptive control and how does it “learn” traffic patterns?

Why use adaptive control?

What does adaptive control do and what does it not do?

What are the attributes of SCOOT and ACS Lite and how do they differ as solutions?

Mark Rogers has a Bachelor of Science Degree in Computer Science from the University of Georgia. He has over 22 years of Intelligent Transportation Systems Industry experience. Mark began his career as a software developer at JHK & Associates producing Advanced Traffic Management Systems. Much of his development effort required analysis of FHWA Measures of Effectiveness algorithms which fostered an interest in advanced traffic control techniques. Mark later participated in integration and sales environments that required a working knowledge of adaptive control systems from traffic responsive applications to products of the RT-TRACS program. Currently as Regional Sales Manager in the Southeastern U.S. for Siemens Traffic Solutions, Mark supplies SCOOT and ACS Lite applications to the ITS community. He enjoys time with his family in Lawrenceville, Georgia which includes his wife, Amy, and three sons.