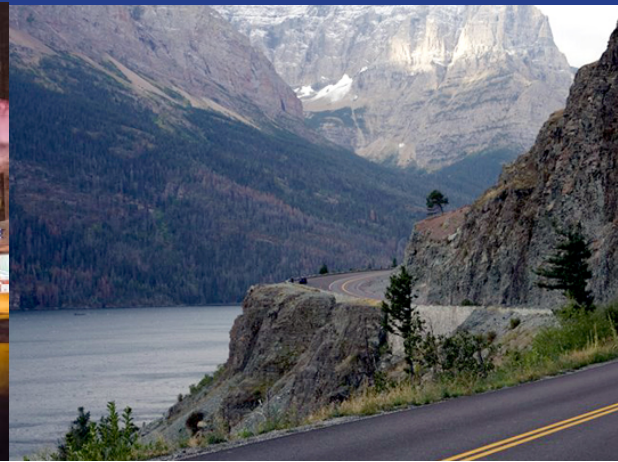


EXPLORATORY BRAKE EMISSIONS BENCHMARKING – A DESIGN OF EXPERIMENTS

Matt Robere – GM Global BFO, Brake Pads / HP Calipers / HP Rotors
SAE Brake Materials Environmental Task Force Chairperson

04 April 2019



OVERVIEW

1. Background and Motivation
2. Regional Brake Design Differences
3. Test Cycle Discussion
4. DOE Description
5. Equipment Description
6. Data Analysis
7. Discussion
8. Lessons Learned