Poster Session
Location Number P-6
Great Lakes Center

Advanced Methods Approach to Hybrid Powertrain
Systems Optimization of a Transit Bus Application
Fisher Coachworks is developing a Light-weight Structured Bus

- 40% Reduction in Curb Weight
- For Battery-Electric Model:
  - 20+ ‘MPG’, Zero Emissions
  - 150 Mile Range
- Range-Extended Battery-Electric Model
  - 10+ “MPG”, Ultra Low Emissions
  - 300 mile range
- 47 seated passengers
- Best-in-class ride and comfort
- Low-maintenance, modular construction

Fisher Coachworks has engaged AVL to contribute to further design refinements of the GTB-40 Mass-Transit Bus

- Optimization processes used will be discussed
  - Subsystem Requirements
  - Powertrain Systems Requirements
  - Traction Motor, Battery, and APU Development and Integration