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Greg Fisher
Fisher Coachworks, LLC

Chris Hennessy
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AVL Powertrain Engineering Inc.



Poster Session Location Number P-6 Great Lakes Center

Advanced Methods Approach to Hybrid Powertrain Systems Optimization of a Transit Bus Application





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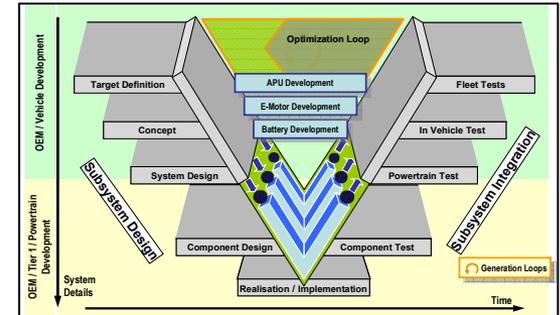
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Advanced Methods Approach to Hybrid Powertrain Systems Optimization of a Transit Bus Application



- 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 is developing a Light-weight Structured Bus
- 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