



Energy Efficient Vehicles 2014 : Visions, Trends and Solutions for Energy Efficient Vehicle Systems

By Bernard Bäker

Tudpress Verlag Der Wissenschaften GmbH Jun 2014, 2014. Taschenbuch. Condition: Neu. Neuware - Under the headline Visions, Trends, and Solutions for Energy Efficient Vehicles the present state of technology and current trends in research and development in the field of energy efficient vehicles are discussed, based on actual development reports, system descriptions and case studies. Contents: Vehicle Aerodynamics and Thermal Management in Future Hybrid and Electrical Vehicles Risks and Solutions for Modern Energy Harvesting A Dynamic Programming Based Simulation Tool for Optimizing Vehicle System Efficiency Cost-optimal Operational Strategies for Hybrid Vehicles Simulative Determination of CO₂ and Pollutant Emissions of a HEV with Multicriteria-optimised Operation Strategy in Customer Use Estimation of the Optimal Length of Run of Electromobile Taking Into Account its Main Parameters Driver Individual Energy Consumption Forecast Using Online Data from Local Traffic Management Centers to Assist an Energy-Efficient Driving Behavior Improvements on the Accuracy of Electro-mechanical Simulation of Series-parallel Hybrid System Power Train - Detailing the motor system including simulation model for the inverter and boost converter Safe test bench equipment for automotive Lithium-ion batteries Intelligent Charging Infrastructure Research Platform Multi-physics modeling approach for energy efficient drive solutions Requirements to Electrics/Electronics Architectures due to Dual Voltage Power Supplies...



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