

## **Dr. Mark Quarto – (BIO) Information & Background**

Dr. Mark Quarto is currently the Engineering Group Manager, Advanced Powertrain Technology Systems for General Motors Corporation Global Aftermarket Engineering. During the past 14 years his engineering and management responsibilities include managing the advanced serviceability design group for the Chevrolet Volt, Fuel Cell, Two-Mode Hybrid, Parallel Hybrid Truck (PHT), EV1 Electric Vehicle, S10 Electric Truck, and Alternative Fuels Systems programs. Previous assignments include three years in Advanced Electric Vehicle Development; 12 years experience in the technical training environment for General Motors Corporation as Service Training Development Manager (with interim positions including Lead Instructor and Resident Service School Instructor). Mark began his automotive career by working as a technician at both dealership and aftermarket facilities. In total, he has been engineering, managing, and teaching electric and hybrid electric vehicle systems for 26 years.

Mark has served as a Chief Engineer and Senior Consultant for a hybrid electric vehicle research company that developed advanced prototype hybrid electric vehicles. He is a subject matter expert, on a part-time basis, for businesses designing and implementing learning systems for electric, hybrid, and fuel cell power systems. He also has one patent pending for a hybrid electric vehicle power generating system.

Mark has written professionally for numerous magazine publications with a primary focus on training and technical issues including; written technical articles for the Service Technician Society, presented papers for the Society of Automotive Engineers at the annual International Congress, and authored several books and other forms of electronic media in the area of Hybrid and Electric Vehicle Propulsion Systems.

Mark holds a Doctorate in Technical Education from Nova Southeastern University, specializing in designing and developing learning systems for hybrid/electric vehicles and high voltage energy and propulsion systems; Master's Degree in Technical Education from Ferris State University specializing in electric and hybrid propulsion systems; Bachelors Degree in Electrical Engineering from LaSalle University; and a Bachelors Degree in Automotive Technology from Ferris State University.