



P.O. Box 3332
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September 18, 2009

Re: Professional/Continuing Education Course for EMC on Hybrid & Electric Vehicles

To Jastech Clients & Perspective Clients:

Jastech EMC Consulting LLC is putting together the following Professional/Continuing Education seminar to be offered at academic institutions (public sessions) and industry clients (closed sessions). These seminars address EMC issues and needs for the emerging hybrid and electric propulsion technology in military and consumer vehicle platforms. In addition to the general seminar Jastech is putting together two versions of an advanced course to cover more topics and concepts for industry clients. Jastech EMC Consulting can tailor seminar outline to specific needs clients request in closed sessions.

Interested parties should contact Jim Muccioli for full seminar outline and more details. (A general targeted audience and description with topic outline is provided below.)

Jim Muccioli
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Sincerely,

Jastech Consulting Team

I. Electromagnetic Compatibility (EMC) Design Techniques and Concepts for Hybrid and Electric Propulsion Vehicles

Duration: 2 days

Abstract: This seminar is targeted for individuals with an automotive or vehicle background. This would include individual who work for vehicle OEMs, Prime Government Contractors, vehicle supplier base (systems, module, and component), academic institutions, and R&D firms. This seminar is rooted from real-world automotive EMC experience and is intended to present a practical approach to EMC concepts with in-depth discussions of real-world tradeoffs such as cost, requirements, design and program timing for hybrid/electric propulsion technology. Individuals who take this class will be exposed to fundamental EMC concepts and given a holistic approach to vehicle EMC as well as insight and appreciation of the challenges of implementing hybrid/electric technology in vehicles.

Outline:

1. Vehicle Architecture – System Engineering
2. EMC noise paths & Antennas
3. Grounding & Shielding
4. Filtering
5. Filter Components & Materials
6. Hybrid/Electric System Construction



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II. Advanced EMC Design Techniques and Concepts for Consumer Automotive Hybrid and electric Propulsion Vehicles

Duration: 1 day

Abstract: This seminar is for individuals that have completed “Electromagnetic Compatibility (EMC) Design Techniques and Concepts for Hybrid and Electric Propulsion Vehicles”. This seminar is a continuation of this course geared toward consumer vehicles for individuals who are actively involved in specifying EMC testing, tasked with compliance, or program managers who oversee project timing and budgets.

Outline:

1. EMC Specifications
2. EMC Testing
3. Bench Testing and Diagnostic for Development Testing
4. When to make the EMC investment?

III. Advanced EMC Design Techniques and Concepts for Military Hybrid and electric Propulsion Ground Vehicles

Duration: 1 day

Abstract: This seminar is for individuals that have completed “Electromagnetic Compatibility (EMC) Design Techniques and Concepts for Hybrid and Electric Propulsion Vehicles”. This seminar is a continuation of this course geared toward military ground vehicles for individuals who are actively involved in specifying EMC testing, tasked with compliance, or program managers who oversee project timing and budgets.

Outline:

1. EMC Specifications
2. EMC Testing
3. Bench Testing and Diagnostic for Development Testing
4. When to make the EMC investment?