

2010 SEMINAR INFORMATION



Wednesday, May 12

8:30 am - 9:30 am

Making the Government Your Next Customer

*Presented by Aina Vilumsons
Executive Director
Wisconsin Procurement Institute*

For the past 13 years, Aina's mission has been to bring more Federal procurement dollars to the State of Wisconsin and strengthen the Government Procurement Supply Chain. WPI is a leader in developing the capabilities and maximizing the access of Wisconsin businesses to the government marketplace. She has successfully integrated her over 28 years of experience in Contracting (Government and Commercial), Operations Management, Business Development, Information Technology and Finance to provide practical advice and mentoring to Wisconsin businesses and organizations.

It is true - the Federal market is becoming increasingly competitive. It is also true that there are significant opportunities for a business with the federal government.

Aina's presentation will cover:

- How does a business WIN?
- Learn the process and requirements
- Become an active member of the federal contractor community
- Overview of the scope of the market
- How to do some basic market research
- How to target your sales and marketing efforts
- How to maximize your success in the market

**Ford Motor Co
Chrysler
USCAR
GM Powertrain**

Wednesday, May 12

10:30 am - 11:30 am

Wiring the Next Generation of North American Automobiles

Presented by the Electrical Wiring Component Application Partnership (EWCAP), a sub group of the United States Counsel for Automotive research (USCAR LLC).



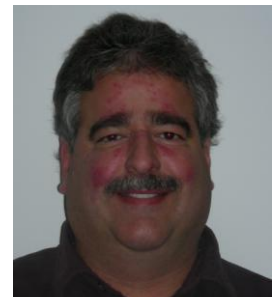
Don Price Ph.D
Ford Motor Company
Connectors & Components
Engineering
Technical Specialist



Matt Marzec
Chrysler
Connectors & Components
Engineering
Product Engineer



Jim Roberts
USCAR
Electrical Wiring Components
Application Partnership
Technical Specialist



Tom Simko
GM Powertrain
Wiring & Connectors Engineering
Technical Specialist

Working for the benefit of the North American Auto industry, USCAR LLC is a consortium funded by Ford, General Motors, and Chrysler. The EWCAP group is focused on common electrical interfaces, interface performance, and processing these interfaces into durable wiring assemblies.

EWCAP's presentation will cover:

- Focus on common electrical interfaces, interface performance
- Processing these interfaces into durable wiring assemblies
- Direction in reducing size, weight, and cost of electrical interfaces
- Reduced terminal spacing centerlines and reduced wire insulation thickness
- Challenges in processing these new products



Wednesday, May 12

12:30 pm - 1:30 pm

Crimp Quality Verification Methods and Trends

*Presented by Rob Boyd
Crimping Product Manager
Schleuniger, Inc.*

Rob Boyd has been the Crimping Product Manager for Schleuniger, Inc. for 10 years. He holds a BS in Electrical Engineering from Boston University and an MBA from UNH. Rob's presentation is for persons who would like an overview of traditional crimp quality assurance methods and want to learn how to access the quality of crimped terminals using cross-section micrographs.

Rob's presentation will cover:

- Traditional crimp quality verification methods:
 - Visual inspection
 - Crimp height & width measurement
 - Destructive pull testing
 - Crimp force monitoring
- Identify defects by examining cross-sections of crimped terminals
- New crimp quality standards and trends



Thursday, May 13

8:30 am - 9:30 am

Revamping Medical and Robotic Cable Design

*Presented by Donald Dodge
VP Research
Calmont Wire & Cable*

Don entered the wire and cable industry in 1969, as a Quality Control Laboratory Supervisor at Pacific Electriccord, moved to Quality Control Manager and finally as Chief Engineer. He has served as Chairman of the Flexible Cords Technical Committee of NEMA, and Chairman of the US Delegation for IEC SC20B for wires and cables. He was involved with ribbon cable while at T&B Ansley. Don has been with Calmont Wire and Cable for the last 28 years, where he has designed many ultra-flexible cables for Military, Medical and Aerospace applications.

Don's presentation will cover:

- Design considerations for selection and use of conductor materials, platings used on the conductors, insulations, shields and shield materials
- Jacket or sheathing materials
- Trade-offs and benefits of the choices
- Life testing and environmental issues
- Effect on Restriction of Hazardous Substances (RoHS)
- Newer WEE standards will be covered



Thursday, May 13

10:30 am - 11:30 am

Utilizing Ultrasonic Metal Welding in Today's Production Environments

*Presented by Tim Crider
Midwest Operations Manager
Stapla Ultrasonics Corporation*

Tim Crider is the Midwest Operations Manager for Stapla Ultrasonics Corporation, a member of the Schunk Sonosystems. Tim has over 10 years of experience in the field of ultrasonic metal welding which provides joining solutions to a large number of markets, including Automotive, Military, Aerospace, Motor, Battery, Appliance and Electrical Devices. Tim's involvement with these industries has contributed to Stapla's capabilities in providing resolutions to the everyday challenges of the production environment, as well as setting the standards within the ultrasonic metal welding industry. Tim also has numerous sales and marketing responsibilities, allowing him to work closely with his design and applications group in developing new products for the market place.

Tim's presentation will cover:

- Various applications in wire harness manufacturing
- How ultrasonic metal welding works
- Baseline requirements, process controls
- How to monitor your process
- Overall advantages of ultrasonic metal welding



Thursday, May 13

12:30 pm - 1:30 pm

Current Status and Growth of Solar/Photovoltaic Technology

*Presented by Bill Duncan
Director of Product Management
Komax Solar*

Bill Duncan, Director of Product Management at Komax Solar, is focused on the development of equipment required for the manufacturing of crystalline photovoltaic modules. Responsibilities include developing individual machines as well as full turnkey assembly line products. This, at times, involves working with PV component manufacturers to improve design for automation. He currently serves as the Technology Committee Chairperson for IPVEA (International PhotoVoltaic Equipment Association).

Bill has previously been with Tyco Electronics/AMP for 21 years in various automation engineering and process development management roles as well as Product Manager for wire and cable assembly products. He was also V.P. of Program Management and V.P. of Marketing for Bulova Technologies, a contract manufacturer of complex electro-mechanical assemblies for the semi-conductor, medical and defense industries.

Renewable energy has gotten significant attention over the last few years. The PhotoVoltaics has evolved from an R&D laboratory environment to a mainstream energy source. Crystalline (silicon based) photovoltaics are just one of the commercially available products being used to provide power in residential, industrial and large scale solar farm/power plant applications.

Bill's presentation will cover:

- Basic background on crystalline PV cells/modules and their uses
- Module installation process - wire/cable applications associated with system
- Supply of silicon
- Module production
- PV generating power systems
- PV promises to have a robust future

Seminar Room Sponsored by

**Wire & Cable
Technology**
International

IPC/WHMA-A-620 RECERTIFICATION

SCHEDULED IN CONJUNCTION WITH



Sponsored by WHMA

Wiring Harness Manufacturers Association

Provided by Tyco Electronics a Licensed Training Center

TWO DAY RECERTIFICATION CLASS

- The fee for the course is \$1050.00 per participant.
- Dates: Tuesday, May 11 & Wednesday, May 12, 2010.
- 8:00am – 5:00pm each day.
- To be held on 2nd floor, room 201C of Midwest Airlines Center.
- Must be preregistered and confirmed by Friday, April 30, 2010, by logging on to http://tooling.tycoelectronics.com/mailler/a620_cit_rfq.asp or calling Rick Hawthorne at 717-810-2417.
 1. Must be currently certified as an A-620 CIT and provide the certification number at the time of the class.
 2. Certifications expiring up to the end of August may recertify now without losing any time on the current certification. The new expiration date will be the month of current expiration in 2012.
 3. May bring your own A-620 Book to use during the class. If necessary, one will be provided to use as a text book and returned after the class.
- Certificates and invoicing will be processed after the class.

CHALLENGE TESTING FOR RECERTIFICATION

(Walk in, preregistration not required)

- The fee for the course is \$525.00 per participant.
Purchase Order Numbers, VISA, MasterCard, Discover, and Checks made out to Tyco Electronics are acceptable forms of payment at the time of testing.
- Dates: Tuesday, May 11, Wednesday, May 12 or Thursday May 13, 2010.
- Participants may begin testing any time between 8:00am – 12:00pm.
- To be held on 2nd floor, room 201D of Midwest Airlines Center.
 1. Must be currently certified as an A-620 CIT and provide the certification number at the time of the class.
 2. Certifications expiring up to the end of August may recertify now without losing any time on the current certification. The new expiration date will be the month of current expiration in 2012.
 3. May bring your own A-620 Book to use during the class. If necessary, one will be provided to use as a text book and returned after the class.
- Certificates will be processed after the show.