presents the

22nd Annual

Emergency Apparatus Maintenance Symposium

September 22 thru 26, 2014

at the

OHIO FIRE ACADEMY
The Ohio Association of Emergency Vehicle Technicians will present its 22nd Annual Emergency Apparatus Maintenance Symposium September 22 thru 26, 2014.

Classes will be conducted at the Ohio Fire Academy 8895 E. Main St. Reynoldsburg, Ohio.

**SCHEDULE OF EVENTS**

**Sept. 22**
**REGISTRATION AND OPENING REMARKS**
Introduction & Announcements, 7:00 to 8:30

**Sept. 22 thru 26**
**PRESENTATION OF CLASSES**
See class schedule for topics and dates.

**Sept. 22-Monday**
**OAEVT GENERAL ASSEMBLY**
8:30 AM Legal Essentials for the EVT.

**Sept. 24-Wednesday**
**OAEVT ANNUAL BANQUET AND AWARDS CEREMONY**
Held at the Tall Timbers Banquet Center 13831 St Rt 40, Reynoldsburg, OH 43068.
Social time: 5:30 PM, Meal 6:00 PM
Advanced reservations are required. See Tuition Information.

**Sept. 24-Wednesday**
**OAEVT ANNUAL MEETING**
Held at the Tall Timbers Banquet Center 13831 St Rt 40, Reynoldsburg, OH 43068,
following the banquet and awards ceremony. Starting time 7:00 PM.
Admission is free to OAEVT members not attending the banquet.

**Sept. 25-Thursday**
**EMERGENCY VEHICLE TECHNICIAN CERTIFICATION TESTING**
Held at the Ohio Fire Academy. Time: 4:00 PM.
Applicants must have preregistered and paid the required fees to the EVT Certification Commission prior to testing. Registration deadline, September 5, 2014. EVT Cert. Comm, P.O. Box 894, Dundee, IL 60118, 847-426-4075 Testing is not required to attend the symposium.

**LODGING**
Students are responsible for their own lodging. However, a group of rooms have been blocked at the Best Western Executive Suites 1899 Winderly Lane, Pickerington, OH 43147. Phone 614-860-9804. Confirmation # 1385, with a special rate of $59.00 per night for all style rooms, which includes a full breakfast bar. Be sure to mention that you are attending the OAEVT Symposium to receive this rate. The Ohio Fire Academy also has hotel style rooms available; please call 1-888-726-7731 for details and cost. Hotel reservations must be made by Sept. 1, 2014.

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**Ohio Fire Academy**

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2
ATTENDEE REGISTRATION FORM

2014 OHIO ASSOCIATION OF EMERGENCY VEHICLE TECHNICIANS
EMERGENCY APPARATUS MAINTENANCE SYMPOSIUM

NOTE: PLEASE PRINT or TYPE all information. This form must be filled out completely or it will be returned to you. DEADLINE for registration is September 12, 2014. All late registrations after 9-12-14 will be required to pay a fee of $20 per day/class or $100 total for the week. Full registration refund prior to 8-31-14. 50% refund prior to 9-5-14. No refund after 9-5-14.

Name________________________________________________________________________________

Preferred Address _______________________________________________________________________

City___________________________________________ State____________________ Zip___________

Cell Phone ( ) ___________________________ Work Phone ( ) _________________________

E-mail ______________________________________________________________________________

Fire Dept./ Agency / Company __________________________________________________________

Address __________________________________________________ Zip________________

Do you plan to attend Wednesday night Banquet? ( ) Yes ( ) No

How did you hear about this training symposium __________________________________________

REGISTRATION

Carefully fill out the registration form and send it along with full tuition or payment verification: (for example purchase order number from your employer)

Ohio Association of Emergency Vehicle Technicians, Inc.
P.O. Box 303 • Avon, Ohio 44011

Use class selection number — PLEASE indicate second choice!

<table>
<thead>
<tr>
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<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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Form may be photocopied as needed.
TUITION INFORMATION
REGISTRATION CLOSES SEPTEMBER 12, 2014
Late registration rate will be required. $20 per day/class.

FULL PACKAGE
Includes the 5 day symposium, daily lunch, and the Wednesday night Banquet:

$385.00_____________________________

Daily Rate - Any Class.......................... $130.00_____________________________

The Wednesday Night Banquet-
ADDITIONAL TICKETS ...................... $25.00_____________________________

TOTAL ENCLOSED_____________________________

Late Registration after 9-12-14 Full Week.............. $100.00_____________________________

Per Day/Class........................................ $20.00_____________________________

TOTAL INCLUDING LATE REGISTRATION_____________________________

Send registration form along with full tuition or payment verification:
(for example, purchase order number from your employer)

Registration: Monday 7:30 AM Welcome & General Assembly: Monday 8:30 AM to 5:30 PM
Class Times: Classes are Tuesday thru Thursday from 9 AM to 4 PM, with one hour for lunch and two 15 minute breaks. Friday 9 AM - 12 PM

Lunch will be in the Ohio Fire Academy cafeteria. Meal tickets will be issued to each student. Some classes are limited in size due to hands-on training. Register early, classes will be filled on a first come, first served basis.

Class registrations must be postmarked by September 12, 2014.

Certificates of attendance will be awarded upon payment of all fees and verification of attendance.

Students are responsible for providing suitable personal protective equipment, i.e., eye protection, hearing protection, as may be needed for the hands-on portion of any class.

O.A.E.V.T. reserves the right to cancel or substitute classes due to conditions beyond our control. Reasonable efforts have been made to confirm the classes and instructors scheduled.

Please call Pat Guhde (440) 476-8707 or E-mail at pguhde@AOL.com
2014 Class Descriptions

General Assembly – Legal Essentials for the EVT  90 minutes 0830 -1000 am  Monday
This segment will touch on the legal aspects of why we as EVT’s do what we do. Jim will have a slide presentation of current incidents that didn’t go the right way and will point out what could have been done and should have been done in the Emergency Vehicle Maintenance Arena presented as a tool for you to use in situations that may come up in your workplace. This information should be seen by everyone and anyone that has a hand in this profession. Please invite your Chiefs, Officers, Maintenance Officers, Maintenance Superintendent, Maintenance Foreman, fiancé Director, Fiscal Officers, Mayors, & Councilpersons and anyone else that steers this profession.
Instructor: Jim Juneau, Juneau, Boll, Stacy & Ucherek

Class 050  Oil, Fuel, & Antifreeze  3 Hrs.
This segment will touch on the hot topics listed above as they relate to Fire Apparatus & Emergency Vehicles, Ed will spend one hour on each
Instructor: Ed McGowan, Universal Oil

Class 051 Pressure Governors, Flow Minders, Gauges and Data Recorders  3 Hrs.
This class taught by a trainer from FRC corporations will review all the items listed to include specifying, care, maintenance and calibrations for the products for this standard. Electronic Controls and Calibration will be covered in depth with hands on the component experience
Instructor: Matt Pitzer, FRC Corporation

Class 052 Holmatro Rescue Tool Maintenance and Repair  3Hrs.
This class taught by a senior trainer and manager in the field of Rescue tools, Pete will cover the hydraulic principles and theories and then get into the care and maintenance of the products. Pete will also offer some tips to keep your tools in tip top shape.
Instructor: Peter Fiset, Holmatro Corporation

Class 053 Ferno Power Cot and EMS Products  3 Hrs.
This class will cover Ferno’s most popular EMS products of today and some of the past, and basic routine maintenance, troubleshooting and basic repair of Ferno Cots, Cot Mounts and Stair Chairs.
Instructors: Steve Rowland, Ted Watkins, Ferno Corporation

Class 200 Waterous Pump Repair & Maintenance  (Mon – Tues) 2 Day Class 12 Hrs.
Class 350 Waterous Pump Repair & Maintenance  (Wed – Thurs) 2 Day Class 12 Hrs.
This two – two day class covers the care, operation and maintenance of the Waterous mid-ship pump, using an actual training pump, the gearbox, impeller assembly and all valves normally supplied with the pump will be removed, explained, examined and re-assembled. Jay will discuss the care and maintenance of the CAFS product time permitting.
Instructor: Jay Rought, Waterous Corporation

Class 100 Basic/Intermediate Electrical Troubleshooting  6 Hrs.
This class is designed to instruct technicians on the repair and maintenance of Basic Electrical Systems. The class will start at the basics with power and ground and work up from there. Class includes lecture, demonstration, and hands-on instruction.
Instructor: Mike O’nell, Spartan Chassis

Class 101 Air Disc Brake Maintenance and Repair  6 Hrs.
This class will cover air brake theory and proper set-up to enable the technician to understand the air brake system and properly troubleshoot and repair them. Gary will focus on the Air Disc systems and will have hands on demonstration stands for students to work on.
Instructor: Gary May, Spartan Chassis

Class 102 Sutphen Custom Pumper Maintenance  6 Hrs.
This class will cover the recommended maintenance practices specifically for the Sutphen product. Class will consist of classroom and an actual truck for hands-on.
Instructor: John Taylor, Sutphen Corporation

Class 103 EVT Prep F – 2 Design and Performance Standards of Fire Apparatus  6 Hrs.
This class prepares the technician to understand the EVTCC F – 2. This class covers design and performance standards and accepted practices used for the Standard for the Inspection, Maintenance, Testing, and Retirement of In-Service Automotive Fire Apparatus. Textbook Recommended NFPA 1901, 2009 & IFSTA Pumping Apparatus / Driver/ Operator Handbook Note; Student Must be Pre-Registered with the EVTCC to take test on 9-25-14
Instructor: Alan Conkle, OAEVT Executive Director

Class 104 Rom Roll-Up doors and Rom Products  3 Hrs.
This class will cover the set-up, installation, and operation of Roll up doors. Terry will have an actual door for the classroom portion and will be able to discuss, proper alignment, adjustment, and be able to work through electronic switch issues. The class will be able to go to the A building and use the skills learned on actual fire trucks at the Academy.
Instructor: Terry Bay, Rom Corporation

Class 105 & 120 Kussmaul Electronics Troubleshooting  6 Hrs.
This class will review basic electric and chassis electrical troubleshooting. Also included in this class is the troubleshooting and repair of the Kussmaul Electronic Products. Class repeated twice, 105 on Monday and 120 on Wednesday
Instructor: Phil Sgroi & Brian Scott, Kussmaul Electronics

Class 106 KME Custom Pumper Maintenance  6 Hrs.
This class will cover the recommended maintenance practices specifically for the KME product. Class will consist of classroom and an actual truck for hands-on.
Instructor: Terry Rutch & Jim Hauser, Kovatch Mobile Equipment

Class 107 Code Reading via gauges, DVM, and Laptop Computers  6 Hrs.
This class is designed to instruct the participant on how to extract information from the fire truck’s electronics using the above methods. Mike knows his way around the truck and will help you use the truck’s technology to help diagnose issues that you have. Bring your electronic tools and he will also be able to show you how to use them.
Instructor: Mike Oneil, Spartan Chassis
Class 108 Spartan Air Conditioning Maintenance and Repair 6 Hrs.
This class taught by Gary should say it all, but he will go over in the classroom basics and theory first and then move to the demo to do some hands on. Class will include maintenance, troubleshooting and repair of the air conditioning systems in fire apparatus.
Instructor: Gary May, Spartan Chassis

Class 110 Sutphen Commercial Pumper Maintenance 6 Hrs.
This class will cover the recommended maintenance practices specifically for the Sutphen product. Class will consist of classroom and an actual truck for hands-on. Sutphen uses several commercial chassis but for the purpose of this class the International chassis will be discussed.
Instructor: John Taylor, Sutphen Corporation

Class 111 EVT Prep E-0 & F-1 Maintenance, Inspection, and Testing of Ambulances & Fire Trucks 6 Hrs.
This class covers the Maintenance, Inspection, and Testing of Ambulances as covered in KKK-A-1822 Federal Specification for the Star of Life Ambulance, Meritor Preventive Maintenance and Lubrication, and NFPA 1911, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Fire Apparatus. Note; Student Must be Pre-Registered with the EVTCC to take test on 9-25-14
Instructor: Al Conkle, OAEVT Executive Director

Class 112 EVT Prep Class, E-2 & F-4 Ambulance & Fire Truck Electrical Systems 6 Hrs.
This class prepares the technician to understand The EVTCC E-2 exam which covers the basic design and performance requirements of ambulance electrical systems, components of electrical systems, and preventive maintenance and troubleshooting activities. Also The EVTCC F-4 exam which covers the basic design and performance requirements of fire apparatus electrical systems, components of electrical systems, and preventive maintenance and troubleshooting activities. Required text, KKK-A-1822E Federal Spec for the Star-of Life Ambulance, Heavy Duty Manual by Interstate Battery, Auto Electricity & Electronic Technology, Any Heavy Duty Truck Electrical Manual & Fire Dept. Pumping Apparatus Maintenance.
Same Class repeated twice Tuesday 112 & Wednesday 119
Note; Student Must be Pre-Registered with the EVTCC to take test on 9-25-14
Instructor: Mike Santilli, Fire House Electrical

Class 113 Oil, Fuel, Air, & Transmission Filters by WIX 6 Hrs.
This class will cover the filters used for the above mentioned applications for the trucks in your fleet. This should be the answer to all your filter questions. Back by demand, so bring them filters with you and all your baffling issues.
Instructor: Susan Thompson, Wix

Class 114 KME Aerial Maintenance and Repair 6 Hrs.
This class will cover the recommended maintenance practices specifically for the KME Aerial product. Class will consist of classroom and an actual truck for hands-on.
Instructor: Terry Rutch & Jim Hauser, Kovatch Mobile Equipment

Class 115 Advanced Electrical Troubleshooting 6 Hrs.
This day class is designed to instruct the technician on the repairs and maintenance of Fire Apparatus Electrical Equipment. Students should either have EVT F-4 or have been through an intermediate class first or have a good understanding of power and ground, volts, and amps as they apply to Apparatus. Class includes lecture, demonstration, and hands-on instruction. The Weldon Multiplex system will be include in the segment.
Instructor: Mike O’neill, Spartan Chassis

Class 116 Drum Air Brake Maintenance and Repair 6 Hrs.
This class will cover air brake theory and proper set –up to enable the technician to understand the air brake system and properly troubleshoot and repair them. Gary will focus on the Air Drum systems and will have hands on demonstration stands for students to work on.
Instructor: Gary May, Spartan Chassis

Class 117 Wednesday Hydraulic Principles, Generator Installation & Maintenance 6 Hrs.
This class will start out with hydraulic principles and theories for the morning half, and then blend into Installation, Troubleshooting and Maintenance for Hydraulic Generators with a day full of information for Hydraulic gen - set technology, and the Smart Power specific product information.
The class will also include hands-on troubleshooting with actual units on Fire Pumpers.
Same Class repeated twice, Wednesday 117 and Thursday 124
Instructor: Jordan Rautiola & Scott Jones, Smart Power Systems

Class 118 EVT Prep Class for F-3 Fire Pumps and Accessories 6 Hrs.
Class prepares the technician to understand the general design, performance and testing standards for pumper apparatus, per the NFPA 1901 & 1911. The technician will understand the hydraulic principles of water movement in pumping operations, learn the terms that relate to the basic hydraulic principles used in the fire service, understand the mechanical principles of pumps, pump controls and accessories during pumping operations, understanding the procedures necessary to overhaul a fire pump and the procedures of performing a pump service test. (Textbooks Recommended: NFPA 1901, NFPA 1911, NFPA 1915, Standards for Fire Apparatus Preventative Maintenance Program, IFTSA Pumping Apparatus Driver/Handbook, second edition. Note; Student Must be Pre-Registered with the EVTCC to take test on 9-25-14
Instructor: Al Conkle, OAEVT Executive Director

Class 121 Wednesday International Engine Maintenance and After Treatment 6 Hrs.
This class will cover the Diamond Logic and ISIS systems used by International Truck to diagnose and repair the engine and chassis systems. Mitch will present material for the DT and V8 Engine product line as well as maintenance tips and tricks for the exhaust after treatment systems.
Instructor: Mitch Wilson, International Truck – Rush International
Class 122 Electrical Review E-2 & F-4 Objectives
This class will be a review session for the E-2 and F-4 EVT test. Mike will take the recommended objectives from the EVTCC and spend the day in review with the class. Over the years Mike has taught it, and now it’s time to see what you learned from it. The class will be a great refresher for the testing combined with some classroom fun.
Instructor: Mike O’neil, Spartan Chassis

Class 123 EVT Prep F – 1 Inspection, Maintenance & Testing DOT
This class covers the maintenance, inspection, and testing of Fire Apparatus as described in NFPA 1911, and should continue to prepare you for the EVT objectives for successful completion of the test, Standard for the Inspection, Maintenance, Testing and Retirement of In-Service Fire Apparatus. Students should have a copy of the NFPA 1911 to follow and highlight the points of instruction. Note: Student Must be Pre-Registered with the EVTCC to take test on 9-25-14
Instructor: Gary May, Spartan Chassis

Class 125 Horton Ambulance Electrical
This class will enable you to understand and troubleshoot Horton’s Electrical Systems used throughout the years, The System 2000, as well as the new Intelliplex Electrical System used today. A Horton Electrical Engineer will be available to answer any questions or problems you may be experiencing.
Instructor: Kevin Handlin, Horton Emergency Vehicles

Class 126 Sutphen Tower Maintenance
This class will cover the recommended maintenance practices specifically for the Sutphen product. Class will consist of classroom and an actual truck for hands-on.
Instructor: John Taylor, Sutphen Corporation

Class 127 Stemco Seal Installation & King Pin Clinic
This class will cover Installation, and proper tools for the Installation of the seals on a wheel hub, bearing torque, and wheel end maintenance. The participants will be able to get involved at the King Pin Clinic which will go over the proper checks and Installation of King Pins, and spindle wear.
Instructor: James Marshall, Stemco Inc.

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OAEVT MAINTENANCE SYMPOSIUM
SCHEDULE SEPTEMBER 22 THROUGH 26

<table>
<thead>
<tr>
<th>MONDAY 9-22</th>
<th>TUESDAY 9-23</th>
<th>WEDNESDAY 9-24</th>
<th>THURSDAY 9-25</th>
<th>FRIDAY 9-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic/Intermediate Electrical By Spartan 100</td>
<td>Spartan Air Conditioning Maint. &amp; Repair 108</td>
<td>Spartan Drum Brake Maintenance 116</td>
<td>EVT Prep F-1 Inspection, Maint. &amp;Testing 123</td>
<td>Holmatro Rescue Tool Maintenance and Repair 052</td>
</tr>
<tr>
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<td>Surphen INT. Commercial Pumper Chassis Maint. 110</td>
<td>Hydraulic Principles and Generators 117</td>
<td>Hydraulic Principles and Generators 124</td>
<td>Ferno Cot and EMS products 053</td>
</tr>
<tr>
<td>Surphen Custom Pumper Chassis Maint. 102</td>
<td>EVT Prep F-2 Design/Perform. Prep 103</td>
<td>EVT Prep E-0 &amp; F-1 Ambulance Prep 111</td>
<td>EVT Prep F-3 Fire Pump prep 118</td>
<td>Horton Ambulance Maintenance 125</td>
</tr>
<tr>
<td>ROM Door Maintenance and repairs 104</td>
<td>Wix Filters Air, Oil, Fuel, Trans, Coolant 113</td>
<td>Kussmaul Electronics Troubleshooting 120</td>
<td>Kussmaul Electronics Troubleshooting 127</td>
<td>Stemco Seal Installation &amp; King Pin Clinic 127</td>
</tr>
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<td>Kussmaul Electronics Troubleshooting 105</td>
<td>KME Aerial Maintenance and Repair 114</td>
<td>International Engine Maint. &amp; after Treatment 121</td>
<td>International Engine Maint. &amp; after Treatment 128</td>
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</tr>
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<td>KME Custom Chassis Maintenance and repair 106</td>
<td>Annual Banquet &amp; Meeting 5:30 – 9:00 • Tall Timbers</td>
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P.O. Box 303
Avon, Ohio 44011

FIRST CLASS MAIL
DATED MATERIAL