



2012 IMSA Annual Conference and School Preview

IMSA — Your Partner for Success

Dedicated to providing quality certification programs for the safe installation, operation, and maintenance of public safety systems; delivering value for members by providing the latest information and education in the industry.

**IMSA's 117th Annual Conference and
35th Annual School and Seminars**

July 28–31, 2012

Pre-Conference Seminars

July 24–27, 2012

**Omni Orlando Resort at ChampionsGate
Orlando, Florida**



2012 Hostess & Host
Ronda & Wayne Bryan

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Annual Conference Registration Information and Fees

All prices include admittance to Exhibit Area and Technical Sessions!

Conference Site

Omni Orlando Resort at ChampionsGate
1500 Masters Blvd.
ChampionsGate, FL 33896

Room Rates

Single: \$139.00
Double: \$139.00
Taxes: 14% (subject to change)
Parking: Self parking is complimentary

Room Reservation Policies

All reservations must be guaranteed by one night's deposit. Guests may cancel their reservations 72 hours prior to their day of arrival. Guaranteed reservations not cancelled will be billed to the guest as appropriate. Early departure fee of one night room rate.

Make sure you mention the 2012 IMSA Conference to get this special rate. There are a limited number of available rooms so call early to ensure your reservation. The reservation cut-off for our block of rooms is Friday, June 29, 2012. Historically, our room block has sold out prior to the cut-off date.

For room reservations, call: 800-843-6664 or visit the link on the IMSA website (IMSAafety.org).

New federal law requires that travelers entering or re-entering the United States on or after January 8, 2007 from any international country (now including the Caribbean, Bermuda, Panama, Mexico, and Canada) must present a government-issued passport to clear US Customs.

2012 Conference Registration Policies

All seminar fees are to be paid at time of registration to reserve your space in the IMSA Certification Review Seminars and IMSA Schools. All seminars and schools are tentatively scheduled providing the required number of registrations are received. IMSA is not responsible for your travel expenses. IMSA Certification Review Seminars and IMSA Schools' fees are subject to change without notice.

Government Purchase Orders

Copy of Purchase Order is required at the time of registration. Please note: Either Purchase Order or payment is required for participation in all IMSA Annual Conference events and seminars.

Cancellation and Refunds

We'll be sorry you won't be able to attend this exceptional learning and networking experience! However, we understand that things happen so if you can't attend, please notify us in writing by June 29, 2012. Refunds will be processed less a \$75 administration fee. No refunds will be made after June 29, 2012 or for no shows. Cancellations may be submitted via email to mce@imsafety.org, via fax to 315-331-8205 or via mail to Melissa Kinslow, IMSA, PO Box 539, Newark, NY 14513.

CEUs WILL BE OFFERED FOR ALL CERTIFICATION SEMINARS. CHECK OUR HOME PAGE (IMSAafety.org) FOR FURTHER INFORMATION.

Miscellaneous Seminar Information

All seminars include materials, exam fees, lunches, and refreshment breaks for the days they are scheduled, as well as admittance to the exhibit area during Monday and Tuesday exhibit hours.

See individual seminars for additional conference extras. All traffic-related courses are based on MUTCD.

If you are interested in attending the current certification seminar for your IMSA renewal, please contact Amanda Santell at ais@imsafety.org.

To obtain Traffic Signal Level III Bench Certification, you must take and pass the basic IMSA Traffic Signal Level III Bench exam, the IMSA Microprocessors In Traffic Signals exam, and have five years experience in the field as well as hold an IMSA Traffic Signal Bench Technician Level II Certificate. Currently, there is only a 100-question exam for the Traffic Signal Field Technician Level III Exam. Five years of experience in the field and a Traffic Signal Field Technician Level II Certificate are required.

2012 Annual Conference Offerings

1A General Registration and Technical Sessions

The purchase of this packet includes tickets to all IMSA activities and the Technical Sessions.

IMSA networking activities include:

- Exhibit Opening
- Annual Breakfast Session
- IMSA Theme Night
- IMSA Banquet

1B Companion Registration

The purchase of this packet includes tickets to all IMSA evening activities and the Companion Program activities.

1C Child Registration (2–18 years)

When accompanied by a parent or guardian registered for the Conference, this packet includes the same tickets as the Companion.

2 Electronics in Traffic Signals — July 28–31

This four-day school will cover the following basic principles: DC Electrical Fundamentals which includes Voltage, Current, Circuits,

Source Resistance, Power, Capacitance and Inductance; AC Circuit Principles which includes Frequency, Capacitors, Reactance and Simple Filters, Inductance, Impedance, Resonance and Transformers; Semiconductor Electronics; Semiconductor Devices; and Semiconductor Circuits. This seminar requires proficiency in algebra, trigonometry, complex numbers, and conversions between real and imaginary number systems. *A calculator that can perform those functions is required. Includes the Exhibit Opening Reception and Annual Breakfast Session.* *Refresher for Traffic Signal Level III Bench exam.

3 Microprocessors in Traffic Signals — July 28–31

This four-day school will begin by giving you the history of the microprocessor. The seminar will cover the Number Systems and Computer Arithmetic; Review of Boolean Algebra and Logic; Review of Integrated Circuits; Architecture of Microprocessors; Memory; Basics of Operation; Input and Output; Programming; and Troubleshooting. *Required for Traffic Signal Bench Level III Certification. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

This is a tentative program and is subject to change.

4 Work Zone Traffic Control Safety — July 24–25

This seminar is a prerequisite for:

- Roadway Lighting
- Traffic Signal
- Signs and Markings

Problems of traffic control occur when traffic must be moved through or around road or street construction, maintenance operations, utility work, and incidents on or adjacent to the roadway. This two-day seminar establishes principles to be observed in the design, installation, and maintenance of traffic control devices, and identifies standards where applicable. The general principles outlined are applicable to both rural and urban situations. You will review Traffic Control Devices; Hand Signaling Devices; Guidelines for Using Traffic Control Devices; Typical Situations for Construction; Traffic Terminology; Work Zone Traffic Control & Safety Review Notes; State and/or Local Design Standards. This seminar on Work Zone Traffic Control Safety was specifically developed by the principles and procedures which experience has shown to enhance the safety of motorists and the workers in the vicinity of work areas. *Prerequisite: None.*

5 Florida Intermediate Work Zone — July 24–25

Now in a two-day seminar. FDOT Approved Intermediate Work Zone Traffic Control (16 Hrs.)

The Florida Section of IMSA is pleased to announce the new IMSA Florida Intermediate Work Zone seminar.

This seminar is a prerequisite for:

- Roadway Lighting
- Traffic Signal
- Signs and Markings

Problems of traffic control occur when traffic must be moved through or around road or street construction, maintenance operations, utility work, and incidents on or adjacent to the roadway. This two-day seminar establishes principles to be observed in the design, installation, and maintenance of traffic control devices and identifies standards where applicable. The general principles outlined are applicable to both rural and urban situations. You will review Traffic Control Devices; Hand Signaling Devices; Guidelines for Using Traffic Control Devices; Typical Situations for Construction; Traffic Terminology; Work Zone Traffic Control & Safety Review Notes; FDOT Design Standards. This seminar on Work Zone Traffic Control and Safety was specifically developed by the principles and procedures which experience has shown to enhance the safety of motorists and the workers in the vicinity of work areas. *[This class cannot be challenged.] Prerequisite: None*

6 Educational Methodology — July 24–25

This two-day seminar is designed to assist IMSA Moderators with their seminar presentations. Individuals will review: The Adult Learner; Lesson Plans; The Effective Instructor; The Classroom Environment; Media; Educational Activities; and Participant Evaluation. *Prerequisite: None.*

7 Flagging and Basic Traffic Control — July 27

The most important responsibility of a flagger is the safety of their fellow workers, the motorist, and him/herself. The Flagging and Basic Traffic Control manual is designed to enhance the knowledge of the flagger to promote safety in the work zone. A skilled flagger helps reduce problems in a potentially hazardous situation. The benefits of proper flagging methods are: Less confusion for the motoring public, fewer accidents, less injury to workers and the public, and reduced claims from accidents. In addition to flagging procedures, learn about channelization, signs, and special conditions. *Prerequisite: None.*

8 Traffic Signal Technician Level I — July 26–27

Traffic Signal Level I Certification indicates that the holder is familiar with the concepts and terminology associated with signalized traffic control devices and systems. The content is designed for the entry-level technician who has had some prior training or experience in electrical technology. Worksite safety is a primary skill area, having been covered in Work Zone Traffic Control Safety and also in this seminar. Principals

of operation and the primary electrical details of cabinet wiring and components have been introduced. Equipment, methods, and materials of signal system construction have been reviewed. The basics of traffic signal design, maintenance, and legal issues have been explained and discussed. This certification holder is prepared to make a contribution on any traffic signal crew, whether involved in construction, maintenance or design preparation with proper supervision and guidance. This certification also provides the required background information that will allow the technician to learn the material taught in the four Level II certification seminars. *Prerequisite: Work Zone Traffic Control Safety Certification.*

9 Public Safety Telecommunicator Level I — July 26–27

This two-day Public Safety Telecommunicator Level I seminar is a certification program designed for dispatchers and call takers who are involved in fire, emergency medical, law enforcement, public safety answering points, and other public safety operations. This seminar will review the job of the Telecommunicator, History, Expectations, Liability, Call Center Structure, Customer Service, and Dispatcher Wellness; Understanding Human Communication Under Normal Circumstances and in an Emergency; Receiving the Call, Citizen-Based Voice/ Data Systems, Central Station-Based Signal Systems, and Public Signaling Systems (Fire, Police, Medical, Service); Processing the Call, Routine versus Emergency Calls, Initial Call Taking, Manual Systems and Automated Systems; Documentation and Record Keeping, Paper Logs, Audio Recorders and Time Standards; and Practice Call Taking. *Prerequisite: None.*

10 Signs and Markings Level I — July 26–27

Most of this two-day review material has been derived from the MUTCD. The Level I Specialist will master the basic principles behind signing and pavement markings. You will review: General Principles; Regulatory Signs; Warning Signs; Guide Signs; Pavement Markings; Object Markers; School Zones; Railroad Crossings; and Bicycle Routes. *Prerequisite: Work Zone Traffic Control Safety Certification and one year Traffic Operation Experience.*

11 Roadway Lighting Level I — July 26–27

This two-day Roadway Lighting Level I Certification seminar for qualified personnel is designed to aid individuals in understanding fundamental aspects of Roadway Lighting. The review material will address Electrical Safety and Codes; Basic Electricity and Laws; and Basic Construction and Maintenance. The principal objectives of the seminar are to: Develop a good working knowledge of electrical safety and safe equipment operation; electric laws and electrical codes; introduce basic maintenance and construction concepts for roadway lighting, including basic roadway lighting components; and provide an introduction to roadway lighting and the necessary basics to help the participant's readiness for the examination which follows. *Prerequisite: Work Zone Traffic Control Safety Certification.*

12 Municipal Fire Alarm Level I — July 26–27

The Municipal Fire Alarm Technician Level I program consists of five chapters, each followed by a short, multiple-choice unit examination. This two-day seminar is designed to assist you in furthering your personal and professional growth, as well as contributing to your organizational needs and that of your community. This two-day seminar will better prepare you to lower the risks of accidents and injuries; further the development and professionalism in the industry; promote the need for public safety; and be better prepared to face the next level in the IMSA Fire Alarm Certification Program. You will review Basic Electricity and the Volt Ohm Meter; the Fundamentals of Fire Alarm Wiring, Wiring Practices, and Line Construction; Understanding Fire Alarm Circuit Wiring and Fire Alarm Boxes; Fundamentals of Work Area Safety and Liability; and Flagging. *Prerequisite: None.*

13 Interior Fire Alarm Level I — July 26–27

This two-day Interior Fire Alarm Level I seminar will review the basics that are really required in your job for that personal and professional growth you desire. Through this program, you will be better prepared to

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This is a tentative program and is subject to change.

2012 Annual Conference Seminar Offerings — continued

lower the risks of accidents and injuries; further the development and professionalism in the industry; promote the need for Public Safety; and be better prepared to face the next level in the IMSA Fire Alarm Certification Program. You will review: Fire Detection and Alarm Systems; Understanding Drawings and Specifications; Electrical Theory and Fire Alarm Wiring; and Inspection and Testing Techniques. *Prerequisite: One year of relevant work experience.*

14 Fiber Optics for ITS Level I — July 26–27

This seminar developed by The Light Brigade is tailored for those who design, install, and/or maintain Intelligent Transportation Systems (ITS) for city, county, and state transportation departments. The seminar provides a practical understanding of how fiber optics and fiber-optic technology is integrated for ITS. The seminar includes twenty-one chapters from theory to systems of which four chapters focus on video transmission, real-time video, traffic control systems, and next generation systems that are key to the evolution from analog to digital ITS applications. This includes optical multiplexing (WDM, CWDM), bi-directional transmission, and bandwidth considerations for those using or considering multimode fibers. A 100-question IMSA Certification exam will be given at the end of the second seminar day. *Prerequisite: None.*

15 Interior Fire Alarm Level II — July 30–31

The objectives of the Interior Fire Alarm Level II Certification seminar are to assist the governmental agencies and private companies in lowering the likelihood of unwarranted legal actions; to reduce the incidence of unnecessary and false alarms that are presently plaguing them; and to increase the quality of fire alarm maintenance and code enforcement personnel. You will review: Codes, Standards and System Design; Suppression Systems and Connections; Emergency Communications Systems, Emergency Control Functions and System Performance Requirements; Computers Used for Fire Alarm Programming and Computer Aided Design and Drafting (CADD); and Public Emergency Alarm Reporting Systems and Supervising Stations. *Prerequisites: IMSA Interior Fire Alarm Level I Certification and two years relevant work experience. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

16 Municipal Fire Alarm Level II — July 30–31

This two-day seminar will review the basics that are required in your job for the personal and professional growth you desire. The seminar will review the Fundamentals of Reporting Systems; Fire Alarm Cabling; and Municipal Fire Alarm System (100 ma). *Prerequisites: IMSA Municipal Fire Alarm Level I Certification and two years experience within the fire alarm field. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

17 Signs and Markings Level II — July 30–31

The primary objective of the Level II Signs and Markings certification process is to recognize those individuals whose understanding of standard signing and marking principles is thorough enough to enable them to apply these principles to on-the-job situations. The two-day Level II preparation seminar has been designed to emphasize practical applications of standard principles. The following topics and their significance to day-to-day field work will be covered: Level I Review; Tort Liability; Regulatory Sign Warrants; Warning Sign Placement; Guide Signs, Route Markers and Trailblazers; Pavement Marking Materials; and ReflectORIZATION/Illumination. *Prerequisites: Work Zone Traffic Control Safety Certification; Signs and Markings Level I; two years traffic operations experience. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

18 Traffic Signal Bench Technician Level II — July 30–31

The Traffic Signal Bench Technician Level II Certification indicates the holder has a well-rounded background in traffic signal technology from seminar work and experience. The Level II Bench certification indicates the technician has additional training on traffic signal control cabinet equipment. This training includes the programming, applica-

tion, and maintenance of controllers, conflict monitors, vehicle and pedestrian detection systems, and the communication and power wiring of the cabinet. The technician is also trained in electronic circuit operation and fault diagnosis, and the use of test equipment for diagnosis and certification of control cabinet equipment. The certification holder is prepared to make a substantial contribution in the signal maintenance operation of either a private firm or a public agency by preparing signal cabinets for deployment and/or troubleshooting and repairing cabinet components that are brought in from the field. *Prerequisites: Work Zone Traffic Control Safety Certification, IMSA Traffic Signal Technician Level I, two years experience in the traffic signal field. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

19 Traffic Signal Construction Technician Level II — July 30–31

The Traffic Signal Construction Technician Level II Certification indicates the holder has a well-rounded background in traffic signal technology from seminar work and experience. The Level II Construction certification indicates the technician has additional training on traffic signal control system construction, safety, materials, methods, and equipment. Activities covered include: safe operation of construction equipment (from concrete saws to cranes), planning activities, documentation, and installation of conduits, poles, mast arms, signal heads, cabinets, and inductive loops. Setup and testing of a new signal installation is also reviewed. The certification holder is prepared to make a substantial contribution in the traffic signal construction group of a private firm or a public agency where new or replacement traffic signal construction is the focus. *Prerequisites: Work Zone Traffic Control Safety Certification, IMSA Traffic Signal Technician Level I, two years experience in the traffic signal field. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

20 Traffic Signal Design/Engineering Technician Level II — July 30–31

The Traffic Signal Design/Engineering Technician Level II Certification indicates the holder has a well-rounded background in traffic signal technology from seminar work and experience. The Level II Design/Engineering certification indicates the technician has additional training on traffic signal control system planning, design, theory of operation, and legal/regulatory issues. Areas of training include industry standards, liability and regulatory considerations, traffic data collection, site inspections (prior to signal design), detection design, intersection phasing and timing plans, volume density and coordination timing, equipment selection, and project management. The certification holder is prepared to make a substantial contribution in the design of signalized intersections, whether employed by a private firm or a public agency, where new or replacement traffic signal planning and design is the focus. *Prerequisites: Work Zone Traffic Control Safety Certification, IMSA Traffic Signal Technician Level I, two years experience in the traffic signal field. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

21 Traffic Signal Field Technician Level II — July 30–31

The Traffic Signal Field Technician Level II Certification indicates the holder has a well-rounded background in traffic signal technology from seminar work and experience. The Level II Field certification indicates the technician has additional training on traffic signal control system troubleshooting, on-site repairs, and maintenance methods and equipment. Areas of training include worksite safety, maintenance of traffic, traffic signal system equipment standards and operation, installation inspection, troubleshooting, equipment repair, replacement and programming, test equipment, signal phasing and timing, detection, system communications, preventive maintenance, and documentation. The certification holder is prepared to make a substantial contribution in the maintenance and repair of signalized intersections, whether employed by a private firm or a public agency. *Prerequisites: Work Zone Traffic Control Safety Certification, IMSA Traffic Signal Technician Level I, two years*

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This is a tentative program and is subject to change.

experience in the traffic signal field. Includes the Exhibit Opening Reception and Annual Breakfast Session.

22 Roadway Lighting Level II — July 30–31

In this two-day seminar you will review: Safety and Qualifications; Lamp and Luminaire Components; Electrical, Poles and High Mast Components; Basic Lighting Design Fundamentals; Lighting Applications; Maintenance of Lighting Systems; and Testing, Investigation and Troubleshooting Lighting Systems. *Prerequisites: Work Zone Traffic Control Safety Certification, Roadway Lighting Level I, two years experience in the roadway lighting field. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

23 Fire Alarm Monitoring — July 30–31

This two-day seminar is designed to give an overview of alarm receiving equipment for remote supervising stations, central stations, and public fire alarm reporting systems. Individuals will review: General Supervising Station and Public Fire Alarm Monitoring System Requirements; Supervising Station Fire Alarm Systems; Communication Methods and Requirements; and Public Fire Alarm Reporting Systems. *Prerequisite: None. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

24 Traffic Signal Inspection — July 29–31

The IMSA Traffic Signal Inspection certification seminar is designed to ensure public safety by helping individuals to understand fundamental concepts associated with the inspection for construction of traffic signal installations. Traffic signals are a key element in our transportation system and the proper operation of traffic signals is of paramount importance in maintaining reasonable levels of mobility. Knowledgeable traffic signal inspection is required to ensure that proper/specified construction practices are followed during signal installation, resulting in signals that operate as intended. Knowledgeable inspection is also a key element in limiting the liability exposure of governmental agencies associated with malfunctioning traffic signals. Topics covered in the Traffic Signal Inspection Certification Seminar include: Introduction to Traffic Signal Inspection; Inspection of Underground Facilities; Inspection of Traffic Signal Supports; Inspection of Overhead Equipment; Inspection of the Vehicular and Pedestrian Detection Systems; Inspection of the Controller Assembly; Safety Requirements; and Final Acceptance and Turn-On. *Prerequisite: None. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

25 Fiber Optics for ITS Level II — July 30–31

This seminar developed by the Light Brigade covers two days of hands on instruction for those who design, install, and/or maintain Intelligent Transportation Systems (ITS) for city, county and state transportation departments. Workstations are set up on the following topics: Splicing, Cable Preparation, OTDR Operation, Optical Loss Testing and Systems. A 100-question IMSA Certification exam will be given at the end of the second seminar day. *Prerequisite: Fiber Optics for ITS Level I. Includes the Exhibit Opening Reception and Annual Breakfast Session.*

26 Traffic Signal Level III Field — July 29

The 100-question exam associated with the certification has been prepared to test the candidate on a wide range of topics relating to field expertise and general knowledge of the applied traffic signal technologies in the field. The following lists some of the reference materials that the potential IMSA Traffic Signals Level III Field Technician must be familiar with: NEMA Standards (TS1 & TS2); 170/2070 Standards; Various Traffic Detection Methods Setup and Configuration Manuals; Video Detection Manufacturers Setup Manuals; Lightning Protection Devices; FHWA and ITE Vehicle Detection Manuals; Data Communications Methods; MUTCD; Signal Head Types specifications and installation methods; IMSA Wire and Cable Specifications; ITE-Traffic Engineering Manual; ITE-Traffic Control Devices Handbook; Traffic Signal Preemption Devices; Understanding of Basic Electronics and Electrical; U.S. National Electrical Code and/or Canadian Electrical Code. The candidate must hold a valid IMSA Traffic Signal Field Technician Level II Certification and be currently active in the industry. *Prerequisites: Work Zone Traffic*

Control Safety Certification; IMSA Traffic Signal Field Technician Level II; five years experience in the traffic signal field.

27 Traffic Signal Level III Bench — July 29

This refresher/review seminar and recently rewritten Bench Technician Exam is designed for the experienced Traffic Signal Bench Technician. Topics covered include; the role of today's bench technician, test equipment, NEMA TS1, NEMA TS2, 170, 2070 and ATC/ITS controllers and cabinets as well as standard and optional equipment and components. The electronics requirement for this certification is included in the 100-question exam. This refresher/review seminar does not cover any of the fundamental or applied electronics portions of the Bench Technician Level III requirement or any part of the Microprocessor requirement. *Prerequisites: Work Zone Traffic Control Safety Certification, Traffic Signal Bench Technician Level II Certification, Microprocessors in Traffic Signals Certification, and a minimum of five years of experience as a traffic signal technician.*

PLEASE NOTE:

There are two exams involved with obtaining Traffic Signal Level III Bench Certification:

- The basic 100-question exam which now contains electronic questions
- The 100-question microprocessor exam

Currently, there is only a 100-question exam for the Traffic Signal Level III Field Certification

28 Signs and Markings Level III — July 29

The intent of this four (4) hour refresher seminar is to give a brief review of the required technical knowledge and understanding of the traffic signs and markings technician. It will cover past concepts of the industry standards in an overview format. It is hoped that this will promote a group discussion and the sharing of ideas in the signs and markings field. This seminar will not necessarily cover all the content of the final exam and is not limited to the content or questions of the exam. It is to refresh your memory on subjects you may not have used for a while. *Prerequisites: Work Zone Traffic Control Safety Certification, Signs and Markings Level I & II, and five years experience in the field.*

29 Florida Intermediate Work Zone Refresher — July 31

One-day seminar. FDOT Approved Intermediate Work Zone Traffic Control Refresher (8 Hrs.) The Florida Section of the IMSA is pleased to announce the new IMSA Florida Intermediate Work Zone Refresher seminar. This 8-hour refresher seminar is a FDOT requirement every four years to renew your Florida Intermediate Work Zone Certification. Seminar needs to be taken before your certification expires to avoid having to take the 16-hr. certification seminar.

This seminar reviews basic fundamental functions relating to Intermediate Maintenance of Traffic:

- Identify and covers latest changes to *Florida Design Standards*
- Discussion and handout of the *Design Standards, Index 600* series
- Resolve traffic control work zone problems using group projects
- Discussion of legal liability, record keeping, traffic control devices, and operation and maintenance of the traffic control zones.

Prerequisite: Florida Intermediate Work Zone Certification. Proof of a valid certification must be presented to qualify for this course.

**CHALLENGE EXAMS WILL BE GIVEN ON:
THURSDAY, JULY 26, 1 P.M. and
WEDNESDAY, AUGUST 1, 8 A.M.**

Tentative Program/Meeting Highlights

DATE	PRE-CONFERENCE SEMINARS	PRE-CONFERENCE ACTIVITIES	TECHNICAL SESSIONS
TUESDAY JULY 24	EDUCATIONAL METHODOLOGY 8 a.m.–5 p.m. CERTIFICATION SEMINARS 8 a.m.–5 p.m. Work Zone Traffic Control Safety Florida Intermediate Work Zone	12:00 p.m. Student Luncheon	<p>2012 IMSA CONFERENCE TECHNICAL SESSIONS TO BE ANNOUNCED</p> <p>SATURDAY, JULY 28 THROUGH TUESDAY, JULY 31</p> <p>SEE IMSA WEBSITE IN FEBRUARY 2012 FOR COMPLETE LISTING: IMSAafety.org</p>
WEDNESDAY JULY 25	EDUCATIONAL METHODOLOGY 8 a.m.–5 p.m. CERTIFICATION SEMINARS 8 a.m.–5 p.m. Work Zone Traffic Control Safety Florida Intermediate Work Zone	12:00 p.m. Student Luncheon	
THURSDAY JULY 26	CHALLENGE EXAMS 1 p.m. Challenge Exams — All Levels CERTIFICATION SEMINARS 8 a.m.–5 p.m. Public Safety Telecommunicator Level I Traffic Signal Technician Level I Signs and Markings Level I Municipal Fire Alarm Level I Interior Fire Alarm Level I Roadway Lighting Level I Fiber Optics for ITS Level I	7:00 a.m. Registration 8:00 a.m. Certification Forum	
FRIDAY JULY 27	CERTIFICATION SEMINARS 8 a.m.–5 p.m. Public Safety Telecommunicator Level I Traffic Signal Technician Level I Signs and Markings Level I Municipal Fire Alarm Level I Interior Fire Alarm Level I Roadway Lighting Level I Fiber Optics for ITS Level I Flagging and Basic Traffic Control	7:00 a.m. Registration 8:00 a.m. Council of Delegates Meeting 12:00 p.m. Student Luncheon 1:30 p.m. Joint Meeting Board & Council	
DATE	CONFERENCE SCHOOLS & SEMINARS	CONFERENCE ACTIVITIES	
SATURDAY JULY 28	SCHOOLS 8 a.m.–5 p.m. Electronics in Traffic Signals Microprocessors in Traffic Signals	7:00 a.m. Registration 12:00 p.m. Student Luncheon 1:00 p.m. Exhibitors Setup 5:00 p.m. Section Secretaries Meeting	
SUNDAY JULY 29	SCHOOLS 8 a.m.–5 p.m. Electronics in Traffic Signals Microprocessors in Traffic Signals Traffic Signal Level III Bench Traffic Signal Level III Field Signs and Markings Level III Traffic Signal Inspection	7:00 a.m. Registration 8:00 a.m. Exhibitors Setup 9:00 a.m. Companion Breakfast 12:00 p.m. Student Luncheon 5:00 p.m. Exhibit Opening Reception	
MONDAY JULY 30	SCHOOLS 7:45 a.m.–5 p.m. Electronics in Traffic Signals Microprocessors in Traffic Signals CERTIFICATION SEMINARS 7:45 a.m.–5 p.m. Traffic Signal Bench Technician Level II Traffic Signal Construction Technician Level II Traffic Signal Design/Engineering Technician Level II Traffic Signal Field Technician Level II Signs and Markings Level II Municipal Fire Alarm Level II Interior Fire Alarm Level II Roadway Lighting Level II Fiber Optics for ITS Level II Fire Alarm Monitoring Traffic Signal Inspection	7:00 a.m. Registration 8:00 a.m. Annual Breakfast 9:00 a.m. Companion Breakfast 10:00 a.m. Exhibits Open 12:00 p.m. Student Luncheon 1:00 p.m. Sustaining Members Luncheon 5:00 p.m. Drawing in Exhibit Hall 6:00 p.m. Theme Night — Depart Hotel	
TUESDAY JULY 31	SCHOOLS 8 a.m.–5 p.m. Electronics in Traffic Signals Microprocessors in Traffic Signals CERTIFICATION SEMINARS 8 a.m.–5 p.m. Traffic Signal Bench Technician Level II Traffic Signal Construction Technician Level II Traffic Signal Design/Engineering Technician Level II Traffic Signal Field Technician Level II Signs and Markings Level II Municipal Fire Alarm Level II Interior Fire Alarm Level II Roadway Lighting Level II Fiber Optics for ITS Level II Fire Alarm Monitoring Traffic Signal Inspection Florida Intermediate Work Zone Refresher	8:00 a.m. Registration 9:00 a.m. Companion Breakfast 10:00 a.m. Exhibits Open 12:00 p.m. Student Luncheon 6:00 p.m. IMSA Reception 7:00 p.m. Closing Banquet	
WEDNESDAY AUGUST 1	CHALLENGE EXAMS 8 a.m. Challenge Exams — All Levels		

This is a tentative program and is subject to change.

Registration Form

Name _____ Position _____
 Agency or Firm _____ Phone # _____ Cell # _____
 Address _____ City _____ State/Prov _____ Zip/Postal _____
 E-mail Address _____ Emergency Contact Name _____ Tel. # _____
 Companion (if attending) _____ Names of Children (if attending) _____
 IMSA Titles _____

(Please provide title of any International elected or appointed position(s) so you may receive appropriate ribbons.)

Are you a member of IMSA? Yes No — IMSA membership information will be included in your registration packet.



SPECIAL SERVICES: Please check here if you require special accommodations to fully participate.

REGISTRATION COST — PLEASE SEE PAGE 2 FOR REGISTRATION POLICIES.

SEMINAR NUMBER	SEMINAR NAME	PRE-REGISTRATION MEMBER PRICING	PRE-REGISTRATION NON-MEMBER PRICING	AMOUNT DUE US FUNDS ONLY
#1A	General Registration	\$495.00	\$570.00	\$
#1B	*Companion Registration	\$400.00	\$475.00	\$
#1C	*Child Registration 2–18 Years Old	\$375.00	\$450.00	\$
#2	Electronics in Traffic Signals	\$800.00	\$875.00	\$
#3	Microprocessors in Traffic Signals	\$800.00	\$875.00	\$
#4	Work Zone Traffic Control Safety	\$515.00	\$590.00	\$
If you have an equivalent to the IMSA Work Zone Certification and plan to take a seminar in which Work Zone is a prerequisite, please submit proof of your equivalent with your registration form.				
#5	Florida Intermediate Work Zone	\$450.00	\$525.00	\$
#6	Educational Methodology	\$390.00	\$465.00	\$
#7	Flagging and Basic Traffic Control	\$400.00	\$475.00	\$
#8	Traffic Signal Technician Level I	\$475.00	\$550.00	\$
#9	Public Safety Telecommunicator Level I	\$475.00	\$550.00	\$
#10	Signs and Markings Level I	\$475.00	\$550.00	\$
#11	Roadway Lighting Level I	\$475.00	\$550.00	\$
#12	Municipal Fire Alarm Municipal Level I	\$475.00	\$550.00	\$
#13	Interior Fire Alarm Level I	\$475.00	\$550.00	\$
#14	Fiber Optics for ITS Level I	\$660.00	\$735.00	\$
#15	Interior Fire Alarm Level II	\$575.00	\$650.00	\$
#16	Municipal Fire Alarm Level II	\$575.00	\$650.00	\$
#17	Signs and Markings Level II	\$575.00	\$650.00	\$
#18	Traffic Signal Bench Technician Level II	\$575.00	\$650.00	\$
#19	Traffic Signal Construction Tech. Level II	\$575.00	\$650.00	\$
#20	Traffic Signal Design/Eng. Tech. Level II	\$575.00	\$650.00	\$
#21	Traffic Signal Field Tech. Level II	\$575.00	\$650.00	\$
#22	Roadway Lighting Level II	\$575.00	\$650.00	\$
#23	Fire Alarm Monitoring	\$575.00	\$650.00	\$
#24	Traffic Signal Inspection	\$625.00	\$700.00	\$
#25	Fiber Optics for ITS Level II	\$875.00	\$950.00	\$
#26	Traffic Signal Level III Field	\$375.00	\$450.00	\$
#27	Traffic Signal Level III Bench	\$375.00	\$450.00	\$
#28	Signs and Markings Level III	\$375.00	\$450.00	\$
#29	Florida Intermediate Work Zone Refresher	\$200.00	\$275.00	\$
Challenge Exams. Member: \$75.00 Each. Non-Member: \$100.00 Each — List Exam Title(s). (For individuals who would like to take the exam without participating in the seminar.)				\$

PLEASE NOTE:
 If you enroll in a seminar the exam will be given during the scheduled seminar hours.

PRE-REGISTRATION PRICING
 Registration forms must be postmarked no later than Wednesday, July 10 and received at the International Office no later than Wednesday, July 17 to qualify for Pre-Registration pricing. After July 17 you will need to register on-site. On-site pricing will increase by \$100.00 per package.

All seminar registration packages include seminar materials, exam fees, lunches and refreshment breaks for the days the seminars are scheduled.

Continuing Education Units (CEUs)
 The University of Tennessee, Division of Outreach & Continuing Education, will award 1 CEU for every 10 contact hours to each participant who successfully completes their IMSA certification seminar in Orlando, FL. The CEU is a nationally recognized unit designed to provide a record of an individual's continuing education accomplishments. **There will be a onetime charge of \$10 per seminar, payable on site.** Upon written request, a transcript of this record will be made available as designated by the participant.

*Children, spouses, "significant others," and retired members are eligible to participate in the Companion Program. The Companion Program activities are not available to General Registration Applicants and Students.

METHOD OF PAYMENT (PLEASE NOTE CANCELLATION AND REFUND POLICY ON PAGE 2.)

<p><input type="checkbox"/> Check Enclosed. (US FUNDS ONLY) PLEASE MAKE PAYABLE AND MAIL TO:</p> <p>CREDIT CARD: <input type="checkbox"/> VISA <input type="checkbox"/> AMEX <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover</p> <p>Card Number: _____ Exp. Date _____ CID Number _____ (Verification code on back of card) Card Holder's Name: _____ Card Holder's Billing Address: _____ City/State (Province)/Zip (Postal Code): _____ Card Holder's Signature: _____</p>	<p><input type="checkbox"/> GOVERNMENT PURCHASE ORDER NUMBER PLEASE SUBMIT COPY OF PURCHASE ORDER AT TIME OF REGISTRATION Purchase Order No.: _____</p> <p>May be accepted by FAX: 315.331.8205</p> <p>Questions: PHONE: 800.723.4672 or EMAIL: mce@IMSAsafety.org</p> <p>Or Register On-Line: www.IMSAsafety.org</p> <p>TOTAL PAYMENT: \$ _____</p>
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IMSA 2012 Conference Exhibitors

Orlando, Florida Exhibit Dates: July 29–31, 2012

3M/Bondo	LeoTek Electronics USA Corp.
Advanced Digital Cable, Inc.	Lightning Control Consultants Inc.
Advanced Protection Technologies (APT)	Maxcell/TVC Communications
Aldis Corporation	McCain, Inc.
Alpha Technologies	MDI Traffic Control Products
American Polywater Corporation	Microhard Systems
APX Enclosures, Inc.	Motorola
Athens Technical Specialists, Inc.	MS Sedco
BAND-IT-IDEX	Myers Power Products, Inc.
Bryce Fastener	Naztec
C.S. Engineered Castings	Novax Industries
Campbell Company, Inc.	O.M.J.C. Signal, Inc.
Citilog	PEEK Traffic Corporation
Clary Corporation	Pelco Products
ClearVision Media Group	Polar Engineering
Coleman Cable Inc.	Power & Tel
Collision Control Communications, Inc.	PowerTel Utility Sales
ComNet Communication Networks	Reno A & E
Component Products	RTC Manufacturing, Inc.
Control Corporation	RU2 Systems, Inc.
Control Technologies	Sensata Technologies
Cost Cast, Inc.	Sensys Networks, Inc.
Diablo Controls, Inc.	Siemens
Dialight Corporation	Simrex Corporation
Eberle Design	Sky Bracket
Econolite	SmarTek Systems, Inc.
ELTEC, Electrotechnics	Southern Manufacturing
Emerson Network Power Surge Protection (EDCO)	Stamm Manufacturing
Encom Wireless Data Solutions	Struthers-Dunn LLC
Excellence Opto Inc.	Temple, Inc.
FLIR Commercial Systems Inc.	Tesco Controls
G & G Technology	The Light Brigade
GE Lighting Solutions	Thomas & Betts
General Traffic Equipment	TKH Security Solutions Inc - USA
Global Traffic Technologies	Tomar Electronics, Inc.
Image Sensing Systems Canada	Traffic & Parking Control Company (TAPCO)
Intelight, Inc.	TraffiCalm Systems
Intuicom, Inc.	Traficon USA
ITEM	Transportation Control Systems
Iteris, Inc.	Trastar, Inc.
ITS Sales & Service Inc.	Versalift
JSF Technologies	Wavetronix, LLC
Kyland-USA	Wells Signs, Manufacturing & Distributing
LeddarTech Inc.	

Please Support Our Exhibiting Companies

Exhibit Hours: Sunday/5–7 • Monday/10–1 & 2:30–5:30 • Tuesday/10–2

This is a tentative program and is subject to change.