

2020 Annual Conference



Hard Rock Daytona Beach May 18th-21st

Room reservations can be made directly with the **Hard Rock Hotel** at **1-386-947-7352**. Room rate is **\$149.00 per night plus tax**. Resort Fee and self parking is included in the per night cost.

DEADLINE FOR CLASS REGISTRATION IS MAY 1st

	<u>MEMBER</u>	<u>NONMEMBER</u>
May 19th - 21st - General Registration	\$150.00.....	\$425.00
(General Registration required to attend Technical Sessions)		
May 19 th & 20 th - Signal & ITS Related Sessions		
May 21 st - Signs and Markings Related Sessions		
May 21 st Noon - 2020 Florida Section Annual Business meeting and Officer Elections		

A General Registration is included in the cost of each class

<u>DATE</u>	<u>CLASS</u>	<u>MEMBER</u>	<u>NONMEMBER</u>
May 18 th - 20 th	- Fiber Optics Technician	\$1650.00.....	\$1750.00
May 21 st	- Fiber Optics Renewal	\$450.00.....	\$550.00
May 18 th & 19 th	- TCSS Level 1	\$500.00.....	\$600.00
May 18 th & 19 th	- Traffic Signal I	\$500.00.....	\$600.00
May 20 th & 21 st	- Traffic Signal II Field	\$500.00.....	\$600.00
May 18 th & 19 th	- Traffic Signal Inspection	\$500.00.....	\$600.00
May 20 th & 21 st	- Advanced Signal Inspection	\$500.00.....	\$600.00
May 20 th & 21 st	- Signs & Markings I	\$550.00.....	\$650.00



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DAYTONA BEACH

Certification Class Information

Class cost cover all books, exams, lunch and breaks. To receive Membership discount you must be a valid member of the Florida Section at the time of registration. For more class information and to meet the instructors visit.

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Certified Fiber Optic Technician — May 18th thru 20th (8am to 5pm)

Fiber Optic Technician for ITS, Traffic, Fire Alarm, and Communication Systems is primarily aimed at installers who need the basic knowledge, skills and abilities to install fiber optic outside plant networks properly. Others who may be interested in the course include network owners, IT personnel, facilities managers, network designers, estimators or other technicians involved in the design or installation of fiber networks. Prerequisites:

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Attendees will be expected to complete an IMSA online self-study fiber optic course and get a certificate of completion to bring to class (you will get the link when you register). Some experience working in the field of fiber optics and communications networks is recommended.

Certified Fiber Optic Technician Renewal — May 21st (8am to 5pm)

In 2017 IMSA partnered with Fiber Optic Association Inc. (FOA) to start a new and exciting Fiber Optics Certification course. From that partnership came an improved IMSA/FOA Certified Fiber Optic Technician (CFOT) Certification which replaces the previous IMSA Level I & II Fiber Technician Courses. This new program provides the students an online presentation for theory and terminology that is vital for working in today's Fiber Industry. It then follows it up with 3 full days of hands on training from an FOA Certified Instructor. It is a huge change in format that allows for the maximum amount of hands on training.

Because the new CFOT takes the place of the existing IMSA Level I & II Fiber Technician there is a need for all of the existing IMSA Fiber Technicians to be transferred to the new certification. With that thought in mind, IMSA and FOA developed a specialized program that combines the flexibility of online training with a one day hands on renewal program where students demonstrate their knowledge, skills, and abilities. Completion of the renewal program will satisfy the requirements for the student to receive the enhanced IMSA/FOA Certified Fiber Optic Technician certification. The following document outlines the approval process for upgrading to the new IMSA/FOA CFOT Certification.

Transportation Center System Specialist Level 1 — May 18th & 19th (8am to 5pm)

This certification program is designed for transportation professionals whose role encompasses control and operation of a road network in a Transportation Management Center (TMC). The program provides an understanding of key concepts and the technology used for devices, equipment, and software that a TMC may utilize in daily operations. It includes material on data collection, manual and automatic incident detection, telecommunications, sub-systems, video, operations and control, network topology and security, wired and wireless physical plant, computer aided dispatching and analysis/reporting. This certification program is intended for practitioners that install, maintain equipment used in and/or directly or indirectly operate transportation management centers

2020 Vendor Expo

Tuesday May 19th at 11:30 thru Wednesday May 20th. Come view this years latest technology and network with local vendors. Full vendors list and times can be found at.

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2020 ANNUAL CONFERENCE MAY 18TH THRU 21ST



Traffic Signal Technician Level 1 - May 18th & 19th (8am to 5pm)

Traffic Signal Technician 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 that has had some prior training or experience in electrical technology. Work site safety is a primary skill area, having been covered in Work Zone Temporary Traffic Control Technician and also in this coursework. Principles 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 courses.

Prerequisites:

IMSA Work Zone Temporary Traffic Control Technician Certification or equivalent as approved by the IMSA Education & Certification Manager.

Traffic Signal Technician Level 2 Field — May 20th & 21st (8am to 5pm)

The Traffic Signal Field Level II Certification indicates the holder has a well-rounded background in traffic signal technology from coursework 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:

IMSA Traffic Signal Technician Level I Certification, Two (2) years experience in the Traffic Signal Field

Florida Traffic Signal Inspection — May 18th & 19th (8am to 5pm)

The IMSA Traffic Signal Inspector Certification Program 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 these 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. Traffic Signal Inspector Certification is recommended for all individuals involved in the inspection of traffic signal construction. It is also a valuable course for contractor personnel, since it provides an inspector's viewpoint of traffic signal construction.

Prerequisites:

Effective August 1, 2018 IMSA Traffic Signal Technician Level I Certification will be required as a prerequisite for this program.

Florida Section Annual Business Meeting

Thursday May 21st at 12 noon. Agenda and Meeting info can be found at

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Traffic Signal Inspector for Advanced Technologies — May 20th & 21st (8am to 5pm)

The IMSA Traffic Signal Inspector Advanced Technologies Certification Program builds on knowledge and skills developed in the Traffic Signal Inspector Level I program, and prepares the traffic signal inspector for more challenging and advanced assignments. Material covered in this program includes test equipment, control components, power systems, foundations, intersection wiring, detection systems, Intelligent Transportation System (ITS) devices, and communications. This program is intended for individuals responsible for the inspection of advanced traffic control and Intelligent Transportation Systems and seek an advanced level of professional certification.

Prerequisites:

Effective August 1, 2018 IMSA Traffic Signal Inspection will be required as a prerequisite for this program.

Signs and Markings Level 1 — May 20th & 21st (8am to 5pm)

This certification program provides an introduction to the latest technology, materials, and rules and regulations that are used for the installation and maintenance of signs and pavement markings on today's roadways. Accepted industry standards and practices are covered in detail such as the Manual On Uniform Traffic Control Devices (MUTCD) and how to use it, the various types of signs and pavement markings, and their application and how they interact with one another. Additional subject matter includes tort and risk liability, work zone safety, school zones, bike lanes, equipment maintenance, asset management, visibility and retro reflectivity, and environmental safety. An exam is included at the conclusion of the program which upon passing certification is issued. This program is intended for those responsible for the installation and maintenance of signs and/or pavement markings on our roadways.

Prerequisites:

Work Zone Temporary Traffic Control Technician Certification or equivalent as approved by the IMSA Education & Certification Manager.

2020 Technical Program

May 19th thru 21st

This years Technical Program will cover a wide variety subjects. Each day of Tech Sessions will provide you with 32 CEU's needed for your Certification renewals. **The Florida Section is an authorized PDH provider for the Florida Board of Professional Engineers.** May 19th and 20th will be Signal and ITS related sessions with the 21st being focused on Signs and Markings. Full schedule of Sessions will be available at.

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