

Volume 13 Issue 9 - September 2024

Director's Message



As thermography has gained in popularity, the demand for training services has also increased. Since operator training can have a profound effect on the success of an infrared program, obtaining quality training is of paramount importance.

At present, there are several firms that offer infrared training and certification. While nearly all infrared training firms refer to their training courses by level (1, 2, or 3), there are no standards which dictate the content of any offered course. As a result, training courses can vary widely between firms.

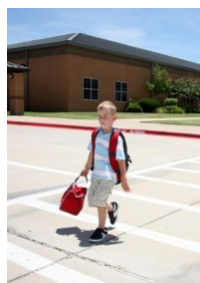
When choosing an infrared training firm, be certain to:

- Examine course curriculum to ensure that it meets one's needs
- Ensure that course will be germane to all infrared imagers, regardless of age
- Ascertain if Certification is included with course, its expiration date, and renewal fees
- Determine number of years training firm has been in business – not the cumulative total of staff years
- Insist that instructors be practicing thermographers with documentable field experience in their area of instruction

Lastly, beware of claims that training is “vendor neutral”. It is impossible for training firms to sell infrared equipment or train for equipment manufacturers without being biased. Firms who train for manufacturers work for manufacturers and cannot provide the unbiased information students deserve. Simply put, no man can serve two masters.

School's Open - Drive Carefully

By early September, over 55 million children across the United States will head back to school. With 13 percent of those children typically walking or biking to their classes, drivers should be especially vigilant for pedestrians before and after school hours. The afternoon hours are particularly dangerous. Over the last decade, nearly one in four child pedestrian fatalities occurred between 3 p.m.



Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Sep 2 - 5 Sydney
- Sep 4- 5 Sydney *
- Sep 9 - 13 Kuala Lumpur
- Sep 16 - 20 Trinidad
- Sep 16 - 19 Brisbane
- Sep 18 - 19 Brisbane *
- Sep 16 - 20 Quezon City
- Sep 16 - 20 Albuquerque
- Sep 23 - 27 Boise
- Sep 23 - 26 Adelaide
- Sep 25 - 26 Adelaide *
- Sep 30 - Oct 3 Perth
- Oct 2 - 3 Perth *
- Oct 7 - 10 West Windsor
- Oct 7 - 11 San Diego
- Oct 7 - 11 Gold Coast
- Oct 14 - 18 Kuala Lumpur
- Oct 14 - 18 Quezon City
- Oct 21 - 25 Santa Cruz
- Oct 21 - 25 Missauga
- Oct 22 - 25 Edmonton
- Oct 28 - 31 Melbourne
- Oct 29 - Nov 1 Saskatoon
- Nov 5 - 8 Winnipeg
- Nov 11 - 15 Quezon City
- Nov 12 - 15 Toronto
- Nov 18 - 22 Saint

and 7 p.m.

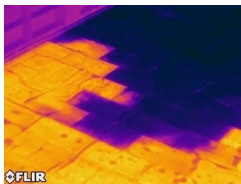
Launched in 1946, the American Automobile Association's 'School's Open – Drive Carefully' campaign was created as a way to help reduce child pedestrian fatalities and injuries. Here are several recommendations from AAA regarding ways drivers can help to keep kids safe:

- Slow down – Speed limits in school zones are reduced for a reason. A pedestrian struck by a vehicle traveling at 25 mph is nearly two-thirds less likely to be killed compared to a pedestrian struck by a vehicle traveling just 10 mph faster.
- Come to a complete stop – Research shows that more than one-third of drivers roll through stop signs in school zones or neighborhoods. Always come to a complete stop, checking carefully for children on sidewalks and in crosswalks before proceeding.
- Eliminate distractions – Research shows that taking your eyes off the road for just two seconds doubles your chances of crashing. Children can be quick, crossing the road unexpectedly or emerging suddenly between two parked cars. Reduce risk by not using your cell phone or eating while driving.
- Watch for bicycles – Children on bikes are often inexperienced, unsteady, and unpredictable. Slow down and allow at least three feet of passing distance between your vehicle and a bicyclist.

Lastly, always maintain a safe distance from a stopped school bus. Be on the lookout for children boarding or exiting school buses.

[More Information](#)

Preparing Roofs for Winter



With parts of the United States experiencing mild weather, it is hard to think about winter. For many, autumn provides a perfect opportunity to conduct infrared inspections of flat roofs to help ensure that they are ready for the upcoming colder months.

Summer can be especially tough on roofing systems. High temperatures, building movement, and UV radiation often cause cracks and splits in the waterproofing system. Left undetected, these cracks and splits can lead to roof leaks and premature roof failure. Performing an infrared roof inspection prior to the onset of colder weather can detect evidence of problems and help to direct repair efforts.

When performed under the proper conditions and with the right equipment, an infrared inspection can detect evidence of latent moisture within the roofing system often before leaks become evident in the building. For many locations, autumn provides perfect conditions for conducting an infrared inspection and performing any necessary roof repairs.

The best candidates for infrared inspection are flat or low slope roofs where the insulation is located between the roof deck and the membrane and is in direct contact with the underside of the membrane. Applicable constructions are roofs with either smooth or

George

- Nov 18 - 20 Melbourne
- Nov 18 - 22 Kuala Lumpur
- Nov 19 - 22 Ottawa
- Nov 26 - 29 Moncton

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

- Sep 16 - 19 West Windsor
- Oct 7 - 11 Trinidad
- Oct 14 - 18 Kuala Lumpur
- Oct 28 - 31 Melbourne
- Dec 9 - 13 Trinidad

[Level III Certified Infrared Thermographer®](#)

- Sep 23 - 25 West Windsor
- Nov 18 - 20 Melbourne

[2024 - 2025 Schedule](#)

Upcoming Conferences

Infraspection Institute invite you to see us at the following upcoming conferences. Be sure to stop by and say Hello!

[SMRP Conference](#)

October 7 - 10, 2024
Orlando, FL

[IR/INFO Conference](#)

January 19 - 22, 2025
Orlando, FL

[NETA PowerTest Conference](#)

March 11 - 15, 2025
Orlando, FL

gravel-surfaced, built-up or single-ply membranes. If gravel is present, it should be less than ½" in diameter and less than 1" thick.

For smooth-surfaced roofs, a short wave (2-5.6 µ) imager will provide more accurate results especially if the roof is painted with a reflective coating. All infrared data should be verified by a qualified roofing professional via core sampling or invasive moisture meter readings.

[More Information](#)

Optical Gas Imaging

During the past several years, controlling gas emissions has become a global concern. The recent introduction of purpose-built thermal imagers provides rapid leak detection for a wide variety of gases. Because Optical Gas Imaging differs from traditional thermography, formal training in this technique is imperative.



Infraspection Institute's [IR Thermography for Optical Gas Imaging](#) is a 12-hour theory and application course for the use of thermal imaging to detect and document thermal patterns associated with gas leaks and venting. This course covers infrared theory, heat transfer concepts, equipment selection and operation, detectable gases, inspection procedures, image analysis, report generation, and standards compliance.

Students are trained to identify and document thermal patterns caused by gas leaks or gas venting for numerous types of gases including hydrocarbons, Sulphur Hexafluoride, Carbon Dioxide, Carbon Monoxide, Ammonia, and Refrigerants. Self-directed learning activities are provided to help students gain practical experience. One need not have a camera to successfully complete the course.

[More Information](#)

Attend IR/INFO 2025 and Get Discounted Training



In celebration of IR/INFO's 35th anniversary, Infraspection Institute are pleased to announce several special offers combining the world's most respected infrared training and certification program with the industry's original technical conference.

Several packages are available featuring discounts on Level I, II, and III Infraspection Institute Certified Infrared Thermographer® training courses and TI Reporter™ software. Discounted group rates are available for four or more persons.

[More Information](#)

[NFMT](#)

March 25 - 27, 2025
Baltimore, MD

[Vibration Institute](#)

August 6 - 8, 2025
Newport News, VA

Links of Interest

[IRINFO.ORG](#)

[TI-Reporter.com](#)

[NORMI.TV](#)

[A-Rent](#)

What Are You Waiting For?



[Become an Infraspection Institute Master Thermographer®](#)

