

Volume 15 Issue 7 - July 2026

Director's Message



For Americans, the Fourth of July has always been a time to gather with family and friends, enjoy summer traditions, and honor the freedoms upon which our nation was founded. This year, however, the holiday takes on

added significance as we commemorate the 250th anniversary of the signing of the Declaration of Independence.

For two and a half centuries, our nation has been defined by a spirit of innovation, perseverance, and a willingness to tackle challenges that once seemed impossible. From the earliest craftsmen and inventors to today's scientists, engineers, and technicians, each generation has contributed to building a stronger and more capable nation. Progress has never been accidental; it has come through curiosity, hard work, and a commitment to continual improvement.

As I reflect on this remarkable milestone, I am reminded that many of the technologies we rely upon today would have been unimaginable to those who signed the Declaration of Independence in 1776. Instant communication, space exploration, artificial intelligence, and infrared imaging are just a few examples of how far we have come. Yet the underlying objective remains the same: using knowledge, innovation, and practical experience to improve safety, reliability, and quality of life.

Those same principles apply to our profession. The field of infrared thermography has evolved dramatically over the past several decades through advances in technology, research, standards, and education. While today's thermal imagers provide remarkable capabilities, meaningful inspections still depend upon the knowledge and judgment of a properly trained thermographer. Thermal imagers may reveal thermal anomalies and temperature differences, but only education, experience, and adherence to established standards allow us to accurately interpret what those data mean.

Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Jul 6 - 9 Salt Lake City
- Jul 13 - 16 West Windsor
- Jul 13 - 16 Atlanta
- Jul 20 - 23 Vancouver
- Jul 27 - 30 Melbourne
- Jul 29 - 30 Melbourne *
- Jul 27 - 31 Quezon City
- Aug 3 - 6 Colorado Springs
- Aug 10 - 13 Kuala Lumpur
- Aug 17 - 20 Cheyenne
- Aug 17 - 20 Rosahron
- Aug 17 - 21 Kuala Lumpur
- Aug 24 - 27 Indianapolis
- Aug 24 - 28 Quezon City
- Aug 24 - 27 Sydney
- Aug 26 - 27 Sydney *
- Aug 31 - Sep 3 Cincinnati
- Sep 14 - 17 Albuquerque
- Sep 14 - 17 Detroit
- Sep 14 - 17 Perth
- Sep 16 - 17 Perth *
- Sep 21 - 24 Boise
- Sep 21 - 25 Quezon City
- Sep 28 - Oct 1 Sarawak
- Sep 28 - Oct 1 Brisbane
- Sep 30 - Oct 1 Brisbane *

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

- Jul 20 - 24 Quezon City
- Jul 20 - 24 Kuala Lumpur
- Aug 17 - 21 Quezon City

As we celebrate America's 250th birthday, let us reaffirm our commitment to professional excellence. By investing in education, following proven inspection procedures, and sharing our knowledge with others, we help ensure that infrared thermography continues to advance as a respected technical discipline for generations to come.

From all of us at Infraspction Institute, we wish you and your family a safe, enjoyable, and Happy Independence Day!

Lightning Safety

Each year lightning kills an average of 67 people in the United States; hundreds more are injured. Few people really understand the dangers of lightning and many fail to act promptly to protect their lives and property.



Thunderstorms are most likely to develop on warm summer days and go through various stages of growth, development, and dissipation. On a sunny day, as the Sun heats the air, pockets of warm air start to rise. When this air reaches a certain level in the atmosphere, cumulus clouds start to form. Continued heating can cause these clouds to grow vertically upward into "towering cumulus" clouds. These towering cumulus clouds may be one of the first indications of a developing thunderstorm.

During a thunderstorm, each flash of cloud-to-ground lightning is a potential killer. Whether a particular flash could be deadly depends on a person being in the path of the lightning discharge. In addition to the visible flash that travels through the air, the current associated with the lightning discharge travels along the ground. Although some victims are struck directly by the main lightning stroke, many victims are struck as the current moves in and along the ground.

Lightning can strike as far as 10 miles away from the rain area in a thunderstorm. That's about the distance you can hear thunder. When a storm is 10 miles away, it may even be difficult to tell a storm is coming. If you can hear thunder, you are within striking distance and should seek shelter immediately.

[More Information](#)

Onsite Training

If you have four or more employees who need infrared training and certification, an on-site training class may be right for you. On-site training classes eliminate employee travel expenses and can be

- Sep 14 - 17 West Windsor
- Sep 14 - 18 Quezon City

[Level III Certified Infrared Thermographer®](#)

- Sep 21 - 23 West Windsor
- Oct 26 - 29 Melbourne

[Full 2026 Schedule](#)

Upcoming Conferences

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

[Vibration Institute](#)

August 5 - 7, 2026
Fort Worth, TX

[IR/INFO Conference](#)

Jan 31 - Feb 3, 2027
Orlando, FL

[NETA PowerTest Conference](#)

March 8 - 12, 2027
Orlando, FL

Links of Interest

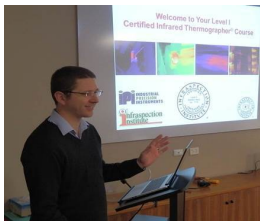
[IRINFO.ORG](#)

[TI-Reporter.com](#)

[Thermographer Directory](#)

[NORMI.TV](#)

[A-Rent](#)



scheduled at your convenience. Best of all, on-site training can be customized to meet your company's specific needs!

Since Infraspection Institute do not manufacture or sell infrared equipment, our courses are presented without marketing hype and are relevant to all brands of thermal imagers. Our training courses are taught using a combination of dynamic multi-media presentations, hands-on demonstrations, and one-on-one interaction with students, all of which are designed to maximize each student's learning experience.

Call us today for a free quotation and let us show you how affordable on-site training can be.

[More Information](#)

Preparing for IR Inspections of Electrical Systems

Perhaps the most common application for infrared thermography is PdM inspections of electrical distribution systems. However, in focusing on the inspection, many overlook the critical step of properly preparing for the inspection.



Proper planning prevents poor performance. For IR inspections of electrical distribution systems, this planning should begin well in advance of the inspection. The following are some of the not-so-obvious considerations that should be part of every inspection.

- Performance standard(s) or Guidelines to be followed
- Safety standards and rules applicable to the work areas
- Thermographer and qualified assistant(s) should be trained as qualified persons as defined by NFPA and OSHA standards
- Necessary Personal Protective Equipment including arc-rated clothing
- Provisions for First Aid and CPR
- Pre-job safety briefing prior to the commencement of the inspection

Lastly, infrared inspections should only be performed by experienced, certified infrared thermographers who thoroughly understand the theory and operation of electrical distribution systems. Properly planning for your next infrared inspection can provide for a safer and more efficient inspection.

[More Information](#)

Registration for IR/INFO 2027 Now Open!



Join thermographers from around the world January 31 – February 3, 2027, at the Wyndham Lake Buena Vista Resort in Orlando, Florida, for four days of advanced technical training, networking, hands-on workshops, and the latest

developments in infrared thermography.

Whether you are new to the industry or an experienced professional, IR/INFO offers practical knowledge, new ideas, and valuable connections you won't find anywhere else.

[More Information](#)

Join the Revolution!



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

