

Volume 14 Issue 2 - February 2025

Director's Message



Credibility is a business asset that can be worth its weight in gold. Unfortunately, credibility is not a commodity that can be purchased but rather a quality that must be developed, protected, and maintained. Credibility is based upon character, honesty, and integrity.

I recently visited a local grade school and was impressed by a large banner that read, "Character is doing the right thing when no one is looking." Having character as a thermographer demands that one act in a professional manner at all times. This includes, but is not limited to, putting customer needs ahead of one's own needs.

The evolution of lower priced equipment has increased the awareness of thermography. Concurrently, lower equipment prices have led to an increase in the number of firms offering infrared inspection services. Established thermographers are now faced with the challenge of competing with untrained and/or inexperienced persons whose mantra is, 'Better, faster, cheaper, more.'

Some of the things a thermographer can do to build credibility are:

- Obtain quality training from a recognized training firm
- Seek the highest level of training possible
- Keep one's training up to date in thermography and related technologies before being required to do so

Additionally, thermographers can enhance their credibility by working to professionally promote the industry, helping to effect positive changes, and always working in the best interest of clients.

IR/INFO 2025 Sets New Record!

Infraspection Institute's annual IR/INFO Conference was recently held in Orlando, Florida. IR/INFO 2025 marks the 35th anniversary for the advanced training conference, technical symposium, and technology expo. IR/INFO was attended by infrared thermographers, PdM technologists, and reliability experts from around the world who enjoyed four days of networking, learning, and fun in a relaxed and professional atmosphere.



Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Feb 3 - 7 Colorado Springs
- Feb 10 - 13 West Windsor
- Feb 24 - 28 Long Beach
- Feb 24 - 27 Rosharon
- Mar 3 - 7 Boulder
- Mar 3 - 6 Brisbane
- Mar 5 - 6 Brisbane *
- Mar 17 - 20 Sydney *
- Mar 19 - 20 Sydney *
- Mar 24 - 28 Honolulu
- Mar 24 - 27 Rosharon
- Mar 24 - 28 Quezon City
- Mar 31 - Apr 3 Melbourne
- Apr 2 - 3 Melbourne *
- Apr 7 - 10 West Windsor
- Apr 14 - 17 Rosharon
- Apr 21 - 25 Henderson
- Apr 28 - May 1 Perth
- Apr 30 - May 1 Perth *

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

- Feb 17 - 21 Quezon City
- Mar 17 - 20 West Windsor
- Apr 21 - 25 Quezon City

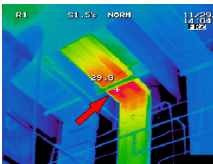
With 7 short courses and workshops plus 25 technical presentations, this year's conference covered a wide range of infrared applications including: new equipment and technologies, safety, regulations, building inspections, and related technologies.

One of the many benefits enjoyed by IR/INFO attendees was the opportunity to share knowledge and information 'across the aisle' with some of the world's most experienced professionals. Anita Howe had this to say: "IR/INFO more than met my expectation of learning, networking, and training. The conference was delivered with excellence. The Infrasppection team knocked it out of the park!"

Plans for Infrasppection Institute's next IR/INFO event are already well underway. IR/INFO 2026 will be held at the Wyndham Resort Disney Springs in Lake Buena Vista, Florida, February 1 – 4, 2026.

[More Information](#)

IR Inspections of Electrical Bus Ducts



Electrical bus ducts are a common feature found in many commercial and industrial electrical systems. When used to supplement regular PM, infrared inspections can help to detect loose or deteriorated connections that can lead to costly catastrophic failures.

Electrical bus ducts are used to distribute low voltage power throughout many industrial facilities. Modern bus ducts are unitized structures that contain insulated conductors within a steel casing. Individual sections of bus duct, each typically 10 feet long, are joined with bolted connections at the end of each bus section. Published industry standards recommend that bus duct connections be manually tightened every six months.

Even with regular tightening of bus duct connections, loose/deteriorated connections are difficult to detect. With the bus duct under load, a thermal imager can readily detect the temperature differentials associated with loose connections. Properly functioning bus ducts should exhibit no temperature differential in the vicinity of bolted connections. Because bus duct conductors are hidden from direct line of sight, any inexplicable temperature differentials should be investigated and corrected immediately. Disconnect switches and cable connections should be checked for thermal anomalies as well.

To ensure complete coverage, bus duct should be inspected from both sides of the duct along its entire length. Termination cabinets should also be inspected once the covers have been removed. Annual or semi annual infrared inspections performed by certified, experienced thermographers should be used to supplement regular bus duct maintenance.

[More Information](#)

Get a Free Listing in the International Directory of Infrared Thermographers

- May 26 - 29
Melbourne

[Level III Certified Infrared Thermographer](#)

- Mar 24 - 26 West Windsor
- Jun 16 - 18 West Windsor

[Full 2025 Schedule](#)

Upcoming Conferences

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

[IIBEC Convention & Trade Show](#)

March 6 - 9, 2025
Orlando, FL

[NETA PowerTest Conference](#)

March 11 - 15, 2025
Orlando, FL

[NFMT](#)

March 25 - 27, 2025
Baltimore, MD

[Vibration Institute](#)

August 6 - 8, 2025
Newport News, VA

[IR/INFO Conference](#)

February 1 - 4, 2026
Orlando, FL

Links of Interest

IRINFO.ORG

TI-Reporter.com

IRINFO.ORG recently announced the launch of the [International Directory of Infrared Thermographers](#).



[Thermographer Directory](#)

[NORMI.TV](#)

[A-Rent](#)

An IRINFO.ORG exclusive, the Directory is a unique opportunity to get the recognition you deserve and showcase your services to those seeking to find and/or hire professional thermographers.

For a limited time, thermographers may get a FREE listing in the Directory. Applying for a listing may be done online and only takes a few moments. Premium listings which include your telephone number and a link to your website are also available. Premium listings ensure that your name appears at the top of search results pages and are a great way to gain exposure for your company and increase sales.

[More Information](#)

SuccessIRies 108 - How to Check IR Equipment Calibration



Calibration is a topic of interest to anyone that performs measurements. Calibration laboratories utilized by infrared equipment manufacturers often represent huge capital investments in hardware and software.

Calibration procedures are not only complex, but they are also proprietary to each manufacturer thereby prohibiting an unauthorized third party from making any adjustments to an infrared radiometer.

Part of Infraspection Institute's distance learning program, SuccessIRies 108 – How to Check IR Equipment Calibration, is intended for anyone wishing to perform a calibration check of their infrared equipment. This course is designed for in-house and contract thermographers, maintenance personnel, and managers of infrared inspection programs.

Course is designed for beginners and experienced thermographers. SuccessIRies 108 is 27 minutes long and may be accessed 24/7 from a standard web browser or a smart device.

[More Information](#)

Soar With the Eagles



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