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Volume 13 Issue 5 - May 2024

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## Director's Message



When documenting an infrared inspection with no detectable exceptions, thermographers should be aware there is a big difference between reporting “no problems” versus “negative findings.”

Infrared inspections may be performed for a wide variety of reasons including condition assessment, quality assurance, and predictive maintenance. In its simplest form, thermography detects, displays, and records thermal patterns and temperatures across the surface of an object. Thermal anomalies usually are indicative of deficiencies, changes, or undesirable conditions within the object or system being inspected. Typically, such conditions are reported with a thermal image and a description of the anomaly.

Upon completing infrared inspections during which no anomalies are detected, thermographers will frequently report that the subject system has “no problems.” From a liability standpoint, this can increase a thermographer’s risk since there may exist problems that are simply not detectable by thermography. Most importantly, a proclamation of “no problems” may leave an end user with a false sense of security regarding the condition or integrity of the subject system.

Since it is not possible for thermography to detect all potential problems within a given system or object, it is advisable for a thermographer to report “negative findings” when no anomalies are detected. This statement is direct, to the point, and in accordance with terminology utilized in other types of scientific testing.

Although the difference between “no problems” and “negative findings” may seem small, the proper use of terminology can help to prevent costly and embarrassing misunderstandings.

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## Tornado Safety

With the onset of warm weather, tornado season has arrived. During an average year, tornadoes in the US cause 80 fatalities and 1500 injuries. Knowing what to do before and during a tornado is crucial for survival.



Tornadoes are nature’s most violent storms. Spawned from powerful thunderstorms, tornadoes can cause fatalities and devastate a neighborhood in seconds. A tornado appears as

## Upcoming Courses

### [Online Distance Learning](#)

#### [Level I Certified Infrared Thermographer®](#)

- Apr 29 - May 2 Perth
- May 1 - 2 Perth \*
- May 6 - 10 Kuala Lumpur
- May 13 - 17 Quezon City
- May 20 - 24 Denver
- May 20 - 24 Gold Coast
- Jun 3 - 6 Adelaide
- Jun 3 - 7 Reno
- Jun 3 - 7 Pasadena
- Jun 5 - 6 Adelaide \*
- Jun 10 - 14 Moncton
- Jun 24 - 28 Tempe
- Jun 24 - 28 Quezon City
- Jul 1 - 4 Brisbane
- Jul 3 - 4 Brisbane \*
- Jul 8 - 11 West Windsor
- Jul 8 - 12 Salt Lake City
- Jul 15 - 19 Kuala Lumpur
- Jul 15 - 19 Quezon City
- Jul 22 - 26 Vancouver

\* Flexible Learning

#### [Level II Certified Infrared Thermographer®](#)

- May 13 - 17 Trinidad
- May 20 - 23 Melbourne
- May 27 - 31 Gold Coast

a rotating, funnel-shaped cloud that extends from a thunderstorm to the ground with whirling winds that can reach 300 miles per hour. Damage paths can be in excess of one mile wide and 50 miles long. Every state is at some risk from this hazard.

Some tornadoes are clearly visible, while rain or nearby lowhanging clouds obscure others. Occasionally, tornadoes develop so rapidly that little, if any, advance warning is possible. The best defense against tornadoes is to be prepared and ready to seek shelter.

Before a tornado, be alert to changing weather conditions.

- Listen to NOAA Weather Radio or to local newscasts for the latest information
- Watch for approaching storms
- Know the danger signs: dark, often greenish sky; large hail; large, dark, low-lying or rotating clouds; loud roar, similar to a freight train

If you see an approaching tornado or are under a tornado WARNING, seek shelter immediately.

- If you are in a structure, go to a pre-designated shelter area or the center of an interior room on the lowest building level. Get under a sturdy table and use your arms to protect your head and neck. Do not open windows.
- If you are in a vehicle, get out immediately and go to the lowest floor of a sturdy, nearby building or a storm shelter. Mobile homes, even if tied down, offer little protection from tornadoes.
- If you are outside with no shelter, lie flat in a nearby ditch or depression and cover your head with your hands. Beware of flying debris and the potential for flooding.

[More Information](#)

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## Free Training



For a limited time, Infraspection Institute is offering two free online training courses. These courses are available through SuccessIRies™ – a series of web-based short courses for thermographers and inspection professionals. SuccessIRies™ courses are

available 24/7 via an internet connection and cover a wide variety of topics.

Typically 30 to 60 minutes in length, SuccessIRies™ are narrated short courses that are the perfect way to keep abreast of the latest developments in the rapidly evolving field of thermography. SuccessIRies™ also meet continuing education requirements for professional inspectors.

Normally priced at \$79, [SuccessIRies™ 101, Infrared Thermography – What's Hot in PdM](#) and [SuccessIRies™ 102, Infrared Inspections for Home & Building Inspectors](#) are currently being offered for free. These courses provide an introduction to infrared thermography and how it is applied to a wide variety of applications. Both courses provide an excellent introduction to thermography.

[More Information](#)

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**Infraspection Online Store**

- Sep 16 - 19 West Windsor
- Sep 16 - 20 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

[Full 2024 Schedule](#)

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## Upcoming Conferences

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

[Vibration Institute](#)

August 7 - 9, 2024  
Covington, KY

[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

[NFMT](#)

March 25 - 27, 2025  
Baltimore, MD

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**Links of Interest**

The Infraspction Online Store is a vital resource for practicing thermographers. In addition to official Infraspction apparel, we offer training manuals, reference books, and thermal images. Infraspction Institute Certified Infrared Thermographers also qualify for free downloads from the store.



[IRINFO.ORG](http://IRINFO.ORG)

[TI-Reporter.com](http://TI-Reporter.com)

[NORMI.TV](http://NORMI.TV)

[A-Rent](#)

Electronic documents such as standards, proposal templates, and the ASNT-Compliant Written Practice are available for immediate download upon transaction approval.

For your convenience, we accept Visa, MasterCard, American Express, and Discover. Our secure servers ensure the safety and privacy of your transaction. As always, we do not sell or share our customer lists with other companies.

[More Information](#)

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## Call for Speakers for IR/INFO 2025



Infraspction Institute are pleased to announce that our annual Advanced Training Conference, Technical Symposium and Technology Expo, IR/INFO 2025, will be held January 19 - 22, 2025 in Orlando, FL.

Now in its 35th year, IR/INFO features four days of networking, learning, and fun in a relaxed, yet professional, family atmosphere. We are presently accepting papers and presenters for IR/INFO 2025. Invited topics include but are not limited to: safety, emerging applications, building sciences, related NDT, case histories, as well as tips and tricks.

Presentations are typically 20-25 minutes with 5 minutes for questions and answers with the audience. All papers and presentations will be published in the IR/INFO Conference Proceedings. The deadline for abstract submissions is July 31.

[More Information](#)

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## Graduation Day is Here!



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

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