

Volume 14 Issue 5 - May 2025

Director's Message



With its longer days, warmer temperatures, and trees in full foliage, May is one of my favorite months. For many in the United States, the Memorial Day holiday at the end of the month marks the unofficial start of Summer. While the long weekend is the perfect opportunity for travel and cookouts, its origin and significance are far more profound.

Originally called Decoration Day, Memorial Day is a day of remembering the men and women who died while serving in the United States Armed Forces. While the origin of the holiday is unclear, it is important that its true intention is never lost.

Wherever your travels may take you this holiday, please take a moment to reflect upon those who have made the ultimate sacrifice in the service of their country and say a prayer for them and their families.

Infrasppection Online Store

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



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.

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Change Routes With The Season

Upcoming Courses

[Online Distance Learning](#)

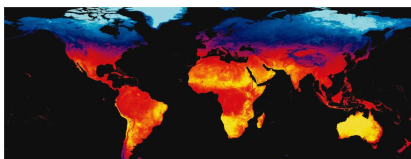
[Level I Certified Infrared Thermographer®](#)

- May 6 - 9 Kuala Lumpur
- May 12 - 15 Rosharon
- May 12 - 15 Adelaide
- May 14 - 15 Adelaide *
- May 19 - 23 Denver
- May 26 - 29 Kuala Lumpur
- May 26 - 30 Quezon City
- Jun 2 - 6 Reno
- Jun 9 - 12 Rosharon
- Jun 16 - 19 Kota Kinabalu
- Jun 23 - 27 Tempe
- Jun 23 - 27 Quezon City
- Jul 7 - 10 Brisbane
- Jul 9 - 10 Brisbane *
- Jul 7 - 11 Salt Lake City
- Jul 14 - 17 West Windsor
- Jul 14 - 17 Rosharon
- Jul 21 - 25 Vancouver
- Jul 21 - 25 Quezon City

* Flexible Learning

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- May 5 - 9 San Jose
- May 12 - 16 Guatemala City
- May 26 - 29 Melbourne



Traditionally, many facilities perform infrared inspections on an annual basis. While this approach may detect deficiencies within operating systems, those

not under load due to seasonal or operational conditions cannot be effectively inspected.

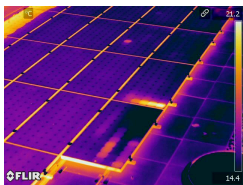
Examples of seasonally operated equipment include heating/cooling systems, production machinery, and the electrical distribution system. Effective infrared inspections of seasonally operated equipment begin at the planning stages. In setting up and conducting an inspection, one should make certain to:

- Develop an inventory list of equipment to be inspected
- Group seasonally operated equipment into dedicated routes
- Ascertain operating times for subject systems
- Schedule IR inspections for the beginning of operating season
- Inspect subject systems while under normal load

Be certain to perform a follow-up inspection for all detected exceptions once necessary repairs have been completed. As always, remember to observe all necessary safety precautions before and during the infrared inspection.

[More Information](#)

IR Inspections of Photovoltaic Systems



With interest in renewable energy at an all-time high, photovoltaic systems have become a common sight worldwide. Infrared inspections can be used for quality assurance inspections of new installations or to monitor the performance of existing ones.

Photovoltaics is a method of converting solar energy into electricity. A photovoltaic system uses an array of several solar panels, each of which is comprised of several solar cells. When exposed to sunlight, the solar cells produce direct current electricity. This DC power can then be converted to AC power for local use or to supply a power grid.

Defective cells or wiring within solar panels can cause hotspots that compromise the power output of the panel. Such hotspots are readily detected with a thermal imager while the panel is exposed to sunlight. Performed from either the topside or underside of panels, infrared inspections provide the most cost-effective method for detecting defects within installed panels. When performing an infrared inspection of an installed PV system, keep the following in mind:

- Determine best vantage point for the IR inspection
- Perform inspections on a sunny day when winds are calm
- Qualitatively inspect panels looking for hot or cold spots
- Be sure to include the electrical conductors and distribution equipment that connect solar panels to the electrical system

Lastly, make certain to observe all safety precautions during the infrared inspection especially when working from an aircraft or an

- Jun 9 - 12 West Windsor
- Jul 14 - 17 Brisbane

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- Jun 16 - 18 West Windsor
- Sep 22 - 24 West Windsor

[Full 2025 Schedule](#)

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 6 - 8, 2025
Newport News, VA

[SMRP Conference](#)

October 6 - 9, 2025
Fort Worth, TX

[IR/INFO Conference](#)

February 1 - 4, 2026
Orlando, FL

[NETA PowerTest Conference](#)

March 2 - 6, 2026
Nashville, TN

Links of Interest

[IRINFO.ORG](#)

[TI-Reporter.com](#)

[Thermographer Directory](#)

[NORMI.TV](#)

[A-Rent](#)

elevated vantage point. Personnel should also take care to avoid electrical hazards when working near exposed, energized electrical conductors.

[More Information](#)

Call for Speakers for IR/INFO 2026



Infraspection Institute are pleased to announce that our annual Advanced Training Conference, Technical Symposium and Technology Expo, IR/INFO 2026, will be held February 1 - 4, 2026 in Orlando, FL.

Now in its 36th 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 2026. 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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