



Volume 9 Issue 4 - April 2020

Director's Message



It is hard to believe the developments that have occurred since our last newsletter. Due to this month's state-mandated closure of all New Jersey colleges, Infraspection Institute's classes scheduled to be held in West Windsor, NJ are cancelled through the end of April. This development does not affect our online training courses.

As a technology-driven company, Infraspection Institute have transitioned to a remote work environment with relative ease and no loss of business continuity. Our personnel are available to provide support and the [Infraspection Online Store](#) remains open.

During the temporary suspension of our open enrollment classes due to COVID-19, all of Infraspection Institute's Distance Learning courses will remain available. This enables you to take your infrared training without having to leave your home or office. Taught by highly experienced Level III thermographers, our [Distance Learning Thermography Courses](#) have a 16-year track record of providing students with information vital to their success.

Please feel free to contact us should you have any questions or require assistance registering for a course. We look forward to supporting your thermographic endeavors as we collectively wait for conditions to return to normal.

T/IR Systems Launches New Thermography Software



T/IR Systems LLC recently announced the release of [TI Reporter™](#), a new cloud-based reporting and data management

software for infrared thermography. TI Reporter™ works with all thermal imagers and allows thermographers to quickly generate standards-compliant reports for a wide variety of applications. T/IR Systems LLC is the parent company of Infraspection Institute.

Combining cloud technology with state-of-the-art features, TI Reporter™ is the world's first cloud-based thermography reporting software that works with all thermal imagers. Reports can be generated quickly and easily from one's office or while in the field. Because it is cloud based, TI Reporter™ works with all computer operating systems. There is no need to install any type of program or software onto your computer.

Written by practicing thermographers, TI Reporter™ contains preformatted templates for a wide variety of infrared inspection applications including, but not limited to: electrical systems, mechanical systems, building envelopes, flat roofs, underground piping, and steam systems. TI Reporter™ automatically calculates temperature limits for electrical and mechanical equipment and can provide cost savings reports. The software is designed for in-house thermographers as well as thermographic consultants.



For a limited time, thermographers can try TI Reporter for free by visiting www.TI-Reporter.com.

[More Information](#)

Upcoming Courses

[Level I Certified Infrared Thermographer®](#)

- Apr 13 - 17 Kuala Lumpur
- Apr 16 - 17 Kuala Lumpur *
- Apr 20 - 24 Las Vegas
- May 4 - 8 Auckland
- May 11 - 15 Twin Falls
- May 18 - 22 Perth
- Jun 8 - 12 Palm Springs
- Jun 22 - 26 Tacoma
- Jun 22 - 26 Kuala Lumpur
- Jul 13 - 17 Salt Lake City
- Jul 20 - 24 West Windsor
- Jul 20 - 24 Melbourne
- Jul 20 - 24 Montreal
- Jul 27 - 31 Seal Beach

[Level II Certified Infrared Thermographer®](#)

- Jun 8 - 12 West Windsor
- Jul 13 - 17 Kuala Lumpur

[Level III Certified Infrared Thermographer®](#)

- Jun 10 - 12 Melbourne
- Sep 21 - 23 West Windsor

* Flexible Learning Course

[Full 2020 Schedule](#)

Upcoming Conferences

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

[Thermal Imaging Conference](#)

September 14 - 17, 2020
South Lake Tahoe, NV

[SMRP Conference](#)

Using Tmax Corrected to Prioritize Electrical Exceptions



Thermographers have long used temperature differentials or Delta T measurements as a means of prioritizing electrical and mechanical exceptions. Typically, Delta T values are calculated by comparing the temperature of an exception to similar components under similar load or

to ambient air temperature. Although they work well in many circumstances, Delta T readings are not applicable for components that do not qualitatively manifest themselves as an exception.

An alternative to Delta T calculations is a formula known as Tmax Corrected. This formula is based upon an IEEE formula and calculates pass/fail criteria based upon several factors including equipment type, ambient air temperature, and circuit load.

Although requiring a little more time to apply than Delta T calculations, Tmax Corrected allows one to determine if a component of interest is running within specification for any load or ambient temperature. Tmax Corrected is especially useful for equipment that is not manifesting itself as an exception. Tmax Corrected can be an invaluable tool for those who perform infrared inspections as part of commissioning studies or use thermography for acceptance testing of new installations, repairs, or retrofits.

Proper use of the Tmax Corrected formula is just one of the many topics covered in Infraspection Institute's Level II training courses. The proper application of Tmax Corrected may also be found in the [Standard for Infrared Inspection of Electrical Systems and Rotating Equipment](#).

[More Information](#)

SuccessIRies™ 107 - IR Thermography for Building Diagnostics

During the past few years, one of the largest growth areas in thermography has been in the area of Building Sciences. Despite present myths, infrared inspections of buildings are not 'simply point and shoot'.



In fact, infrared inspections of building envelopes and associated systems remain some of the most complex types of infrared inspections. Accurate interpretation of data depends upon proper selection of an infrared imager, a thorough understanding of the systems inspected, interaction of these systems with their surroundings, and the thermal patterns associated with defects.

Designed for beginners and experienced thermographers, SuccessIRies™ 107 focuses on common applications and key considerations for performing accurate infrared inspections of buildings and their subsystems. The course is 89 minutes long and may be accessed 24/7 from a standard web browser or smart device.

[More Information](#)

Thermography's Grand Slam



[Become an Infraspection Institute Master](#)

October 19 - 22, 2020
Columbus, OH

[IR/INFO Conference](#)

January 17 - 20, 2021
Orlando, FL

Links of Interest

[IRINFO.ORG](#)

[CITA.ORG](#)

[The RAM Review](#)

[TI-Reporter.com](#)

