



# InfraMation 2004

The Infrared Camera Applications Conference





Whats the difference between

getting the  
job done  
and getting the job done **right?**

The difference is

**Training**

Infrared  
Training  
Center **itc**



## **What makes InfraMation a Must Attend Conference?**

### **Return on Investment!**

*Over 68% of Reliabilityweb.com members surveyed reported a higher than expected Return on Investment from their Infrared Predictive Maintenance (IPdM) program, one of the highest ROI's compared to any other single condition monitoring technology."*

### **Who Should Attend?**

*Inframation 2004 is ideal for anyone who wants to learn more about infrared and thermal imaging applications. Join us and learn from the experts in the field as they cover such fields as plant predictive maintenance, thermal research and development, on-line process monitoring and control, and non-destructive testing. Take advantage of this once-a-year, largest and most informative conference that can help you get the highest return on investment out of your infrared camera.*

## **THE DIFFERENCE IS INFRAMATION**

### **WHAT YOU GET!**

In addition to learning the latest techniques for better utilization of your infrared camera, you will also receive:

### **FREE Hotel Rooms WHILE SUPPLIES LAST!**

Because of InfraMation's purchasing power and our selection of Las Vegas as the largest convention center in the USA, we can offer FREE HOTEL ROOMS but only while supplies last.

### **One FREE IR CLINIC**

– a \$100 savings – pick the clinic that best fits your needs (seating is limited and we can offer first come, first serve reservations only).

### **Re-certification credits**

if you're already a certified thermographer – your attendance counts as ITC re-certification credits.

### **Invaluable instruction**

for those who are not yet certified thermographers or for those just thinking about their first infrared camera purchase

### **Education, instruction, networking**

with national experts, informative workshops and access to the latest exhibits of new products and technologies, all by the only ISO 9001 certified infrared training organization worldwide.

### **Free Proceedings**

from the InfraMation 2004 conferences. These information-packed cd-roms are filled with the best practices for inspecting electrical, mechanical, building, roofing and many other "assets" with infrared.

### **The Infrared Thermographers Conference is here!**

InfraMation 2004 is for anyone seeking innovative new ways to reduce costs, improve worker safety and improve productivity by averting shutdowns and extending the life of capital equipment using infrared thermography. Learn how an infrared inspection program can save your company time often, resources is for anyone seeking innovative new ways to reduce costs, improve worker safety and improve productivity by averting shutdowns and extending the life of capital equipment using infrared thermography

### **More Value-Packed than Ever**

InfraMation has evolved into a "must-attend" educational event for professional thermographers. In 2003 InfraMation broke all attendance records and was the largest educational conference for thermographers ever held! This year, the program is richer and more valuable than ever.

### **Why Attend?**

By attending the world's leading Infrared Thermographers conference you will learn new and better ways to use your infrared camera. Presentations and clinics by real world experts and fellow infrared camera users will help you find more problems, save more money, improve worker safety, avert production downtimes and satisfy insurance auditors.

**contact: Jon and Martha: 1 800 254 0632**

**email: [inframation@flir.com](mailto:inframation@flir.com)**

**website: <http://www.inframation.org>**

# LISTEN TO WHAT PAST ATTENDEES HAVE TO SAY!

*"It was a pleasure speaking and writing the article. We will be interested in next year's conference as well."*

Presenter EDWARD FRONAPFEL, Professional Investigative Engineers

*"It was such a great conference for us that we plan to be there next year for sure."*

Presenter Mark Goodman, UE Systems

*"The conference was a great success."*

Attendee MIKE RALPH, Exelon Nuclear—LaSalle Nuclear Station

*"I would like to participate in next year's conference and have already preregistered. Thank you very much and best regards to the Inframation team!"*

Presenter RAFAEL ROYO, Universidad Politécnica de Valencia

*"Our program will become much better for having attended. Please convey my regards to all those involved with the conference. I cannot express how grateful I am. I will find a way to be with you next year."*

Attendee GLEN WARNIK, Utah State University, Facilities

# ATTENDEES

## INFRAMATION 2004 IMPROVES THE BOTTOM LINE

InfraMation has grown into a "must-attend" educational event for professional thermographers. In 2003 InfraMation broke all attendance records and was the largest educational conference for thermographers ever held!

What makes this conference so different? Why are more people attending than ever before? We think it's because InfraMation delivers real, hard, tangible value. For example:

- All Level I, II, and III ITC certified thermographers get re-certification credit for attending. ITC Infrared Thermography Certifications are globally recognized and are designed to exceed the requirements of international infrared certification standards. InfraMation delegates save thousands of dollars compared with the cost of enrolling in classroom certification courses.
- Presentations detail best practices, tips & tricks, and valuable "here's-how-you-do-it" content that attendees put to immediate use on the job.
- Informative topical "clinics" focus on electrical, mechanical, building science, and other specific topics that our attendees have requested.
- Focused peer-to-peer discussions with other professional thermographers in a wide range of industries and applications areas will enrich your perspective and skills and help you achieve more benefits back on the job.
- Free Conference Proceedings, both in print and on CD-ROM include all the papers, presenter biographies, and more, in a concise format that you can reference year-after-year.
- The Las Vegas venue delivers bargain-basement values on airlines and, with InfraMation leading the way, we can also offer FREE HOTEL ROOMS (while supplies last).
- The proof is in the pudding! We are pleased to report that over 30% of our InfraMation 2003 attendees have already signed up for InfraMation 2004! This response is, quite simply, amazing! It really confirms the event as a tangible value to all who attend.



## MAINTENANCE TECHNOLOGY MAGAZINE

Infrared inspection programs have proven that on average for every \$1 spent on infrared electrical inspections, there is a \$4 return on investment for materials and labor from fixing the problems before it fails. (June 2001)

The magazine of plant equipment reliability, maintenance and asset management. Its readers are responsible for keeping their facilities in an uptime mode and running efficiently. [www.mt-online.com](http://www.mt-online.com)

# THE CONFERENCE

## Attend Clinics and Workshops

These clinics offer unique opportunities to discuss your specific applications, learn time-saving IR reporting tips and explore the latest IR software developments with ITC experts! Enrollment is limited to the first 50 people to sign up for each time and room, so register today to reserve your spot!

## Attend Conference Sessions

The clinics are "how to" oriented; how to create templates in Reporter; how to set up and do a roof moisture survey; how to set up and perform an electrical survey, etc. Of course, we can't be comprehensive in three hours, but the clinics are intended to give insight as to what is involved, what equipment you need, and what you need to know.

## Visit Exhibits

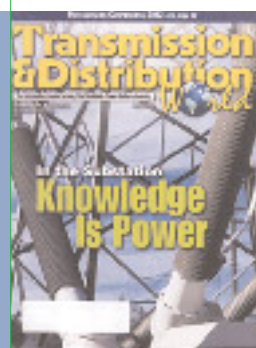
Once again, InfraMation will feature interactive displays from leading predictive maintenance vendors. See what's new in equipment, applications and PM technologies! The Exhibitor Showcase is open Monday October 4 -Friday October 8th, throughout the conference as well as before and after presentations.

## Maintain your Certification

Did you know that attending InfraMation 2004 helps qualify you to recertify your itc Thermographer Certification? Here's how the program works.

All itc certified thermographers renewing their certification level are required to meet continuing education or professional contribution requirements. Recertification of thermographers is intended to apply only to individuals who maintain continued active employment in thermography and demonstrate efforts to keep abreast of new developments in the field. There are two ways of extending your itc thermography certification level: a) attend another ITC certification course or b) show continuing involvement in thermography, including continuing thermographic education, such as the Inframation Conference.

*Tennessee Valley Authority (TVA) has been using infrared for substation inspections since the late 1980's and it is now a key predictive maintenance tool, according to Mark Goff, staff system engineer. TVA looked into using seven different methods and technologies for doing electro-mechanical inspections to determine what gave the most investment return. The top four types – visual, infrared, ultrasonic (airborne) and dissolve gas-in-oil analysis set the new bases for TVA's Level 2 Inspection Program (started in 1998).*



# ACCOMMODATIONS

The Orleans proudly offers 1426 beautifully appointed rooms and suites featuring the ultimate in luxury and comfort. The oversized rooms are actually "Petite Suites" with separate sitting areas. Spectacular views face the glittering Las Vegas Strip or the sweeping mountain panoramas surrounding the Las Vegas Valley. Free shuttle service is available to their sister properties The Gold Coast and The Barbary Coast.

You can easily check room availability and reserve a room with the hotel online; or call the resort to make your reservation at 1-800-675-3267. Remember to ask for the special InfraMation 2004 Conference rate. You must reserve your room by September 1, 2004 to qualify for this rate.

## DRESS

We suggest business casual attire at all InfraMation events.

## AIRPORT

McCarran International Airport

## MAPS AND DIRECTIONS

The Orleans Hotel  
4500 West Tropicana Avenue  
Las Vegas, NV 89103  
Tel. 1 800 675-3267  
Tel. 1 702 365-7111  
<http://www.orleanscasino.com/>

## HOTEL ACCOMMADATIONS

Free Shuttle Service to The Strip  
24-Hour Room Service  
In-Room Hairdryer  
In-Room Iron/Ironing Board  
Internet Connection  
Clock Radio  
Cable Channels  
Free Valet Parking  
Telephone  
Air-Conditioned Rooms  
Non-Smoking Rooms Available  
Rollaway Beds Available  
Cribs Available  
Handicap Accessible Rooms  
Business Center

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# InfraMation 2004 Conference Registration

First Name	Middle Initial	Last Name
Company		
Address 1	Address 2	
City	State/Province	Zip/Postal Country
Phone	FAX	Email
Website		
Comments		

- I want to earn recertification credits to renew my ITC Level I,  II,  or  III certification,  Building Science

### Registration Type (select one):

- General registration (includes all conference sessions, exhibits, proceedings, and meals) \$1295.00
- 3 attendees, the 4th gets 50% off (simultaneous, same-company registrations)
- 4 attendees, the 5th is free (simultaneous, same-company registrations)
- Presenter registration (1 guest and 1 clinic included at no charge) \$295.00

### Early Bird Discount (not applicable for presenters or guests)

- Early Bird registration
- (receive 4 free hotel nights valued at \$240 (taken off registration price, must book your own room), one free IR clinic, one free guest, and InfraMation 2003 Proceedings on CD-ROM. Early Bird registration is valid by registering on or before June 30th, 2004, and is only for full-priced attendees)

### Guest registration (select one; includes exhibits and meals)

- 1 Guest \$150.00
- 2 Guests \$300.00
- 3 or more guests (we'll contact you)
- None

### Infrared Clinics (select more than one)

- Selling IR Inspection Services clinic \$100.00
- What is IR Thermography and What Can it do for Me? \$100.00
- ThermaCAM Reporter Software Clinic \$100.00
- Mechanical Applications Clinic \$100.00
- Building/Science (full day) \$200.00
- Roof Survey Clinic \$100.00
- Electrical Survey Clinic \$100.00
- NEW - Research & Development Clinic \$100.00
- NEW - Life Science Clinic \$100.00
- NEW - Automation Clinic \$100.00

### Special Events

- I am interested in attending a special day trip

### TOTAL FEE

### Payment Method

Credit Card  Check  Money Order

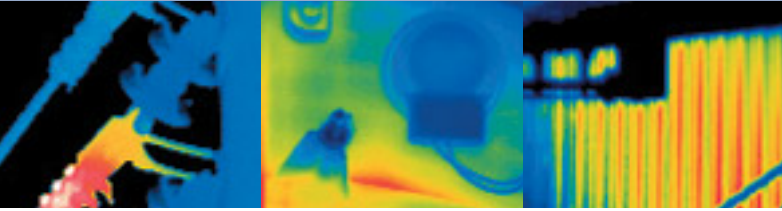
Purchase Order # \_\_\_\_\_

American Express  Visa  Mastercard

Card Number CCV# \_\_\_\_\_

Name on card \_\_\_\_\_ Expiration Date \_\_\_\_\_

Here's just a small sampling of how infrared cameras, when properly used, can deliver significant time and money savings, while greatly increasing worker safety.



## ROI SUCCESS STORIES

### Verify Contractor Repairs & Improves Worker Safety

A major US manufacturer suffered an electrical fire in the main switchgear of one of its plants causing over \$100,000 in damage and losses. After the switchgear was repaired by outside contractors, members of the company's Energy Management Team returned to evaluate it with an infrared camera. The infrared inspection revealed improper installation in the exact area that caused the original fire. The contractor was notified just in time, saving the company another \$100,000 and averting any potential new fires.

### Inspect Roofing for Leaks & Water Damage

Hundreds of companies use infrared scanning to look for water leaks in industrial roofing. Surveying roofs can help you repair leaks before they cause substantive damage. The cost savings range from \$15-\$20 per square foot.

### Locate Poor Electrical Connections

A large paper manufacturer used infrared scanning to check the incoming power at the substation located on plant property. The maintenance crew discovered a fault at the transformer feed not visible to the naked eye. With an actual power loss, the estimated production losses would have cost between \$200,000

1-800-259-0632

[www.inframation.org](http://www.inframation.org)

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**INFRA**MATION  
INFRARED CAMERA CONFERENCE