



Welcome

Hello,

Whew! InfraMation week was a fast paced conference with its over 35 separate technical sessions. Without the excellent staff at Bally's, we would never have been able to pull it off. Thanks guys.

After publishing this newsletter as an HTML document for several years now, I decided to give it a try as a pdf again (this is how the newsletter was originally published the first few years). All of your regular features are here, but I have added a links section and deleted the about the ITC section since you can get that information at our web-site.

Let me know how you like this format and whether you prefer the html or the pdf format. You can vote and leave your comments by visiting this [link](#).



Have a great Thanksgiving!



Gary Orlove,
Editor and Publisher



10th Annual InfraMation Stars at "Bally-wood" Las Vegas



By Sandra J. Blum, FLIR Systems, Inc.

The stars were out at Bally's Oct. 18-22. That's some of you – the nearly 400 attendees who braved tough economic conditions to celebrate and learn at InfraMation's 10th Anniversary Conference. Here's a big *Thank You* to our stellar attendees, our exhibitors, and to all of our presenters at the more than 35 sessions, workshops, clinics, and poster presentations. We couldn't do it without all of you!

(Continued on page 2)



Links



[Infrared Training Center](#)



[ITC On-Demand Training Portal](#)

E-LearnIR



[Course Calendars](#)



[ITC Web Store](#)



[InfraMation IR Conference](#)

IR InformIR

[IR InformIR Blog](#)



IR News you can Use

Straight from the World Wide Web, here is what's going on in the world of infrared thermography.

- [Computer Science Provides a Better Way to Test for Sleep Apnea](#)

U.S. News & World Report

The new diagnostic procedure developed by Pavlidis, Murthy and their collaborators uses a thermal infrared camera to monitor breathing waveforms and airflow ...

- [Lawmaker calls for action after toxin found at gas operations](#)

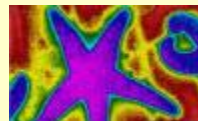
The benzene levels were discovered as part of a larger study on emissions being conducted with the help of an infrared camera that identifies heat. ...

- [High-tech gear helps unravel cemetery mysteries](#)



The ThermaCAM P640 camera costs around \$35000, while the Geophysical Survey Systems Profiler EMP-400 electromagnetic induction tool costs around \$15000. ...

- [One starfish has a remarkable strategy to avoid overheating in the sun ...](#)



They used heat lamps to adjust the aerial temperature and

(Continued on page 2)



10th Annual InfraMation Stars at "Bally-wood" Las Vegas

(Continued from page 1)

Not Business as Usual. It's the "New Normal"!

Everybody agreed that's there is a "new normal" out there. And the attendees aren't waiting for the world to return to what it was before the recession. They realize success now isn't just doing what they did before better, but being able to master doing things differently and stepping up their game.

Exciting times! Session after session focused on the fact that if you want to really continually revitalize the service you provide the customer, you can't stop at what are you're good at. You have to ask what your customers need and want now. And no matter how hard it is, you better get good at those things.

"Hats Off! Great speakers and a well-balanced thematic mix. And logistically/production-wise, very well executed, especially with the number of sessions going on simultaneously."

More than ever, this year InfraMation attendees saw the conference as a premier opportunity to gear up for increased competition, rapidly shifting technologies, and disruptive business models. Whether they were from huge global corporations or were independent entrepreneurs, attendees were using InfraMation to meet the forces reshaping the global economy and their industries and markets.

New Infrared Dimensions Will Star at InfraMation 2010

InfraMation 2010 will be all about building strengths and the transformation and growth of thermographic imaging in the new economy. The focus will be on maximum productivity and profitability at both the personal and professional levels. We are very close to finalizing a date and location for InfraMation 2010. We hope to see you there, so stay tuned!



InfraMation attendees enjoy the poster presentation session, a great opportunity for networking with other thermographers.



IR News you can Use

(Continued from page 1)

an infrared camera to measure body temperature. Finally, they weighed the star fish to estimate ...

- [Curbing Emissions by Sealing Gas Leaks](#)

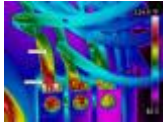


Terry Gosney uses an infrared camera to check for leaks in natural gas pipes in eastern Texas. A blog about energy, the environment and the bottom line. ...

ITC Message Board Posts

Here is a selection of recent new threads by IR Community members. Feel free to click the links, see the responses, and post your own response if you like.

- [Standard classifications of faults on electrical equipment](#)



Are there any standard classification of faults (i.e. delta T) for electrical equipment such as wiring. I doing a study on some extruder drives and am seeing some thermal gradients on main 480V conductors.

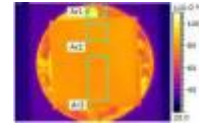
- [Cooling System](#)



I have the opportunity to capture these images when performing an electrical survey at this plant. There is a ventilation/cooling system and I found lot of cool air leaks.

[Insulating coating](#)

We have done some testing on insulating coatings in order to replace regular thermal insulation in our plants. Testing was done on small coated steel plates. The plate was then put on a hot plate at 100 °C for 10 minutes. When looking with the infrared



camera (emissivity was put at 1), an average temperature was measured of about 80 °C (on a steel plate without coating in the same conditions, average temp. was 96 °C). When we measure the temperature with a contact thermometer on the coated plate while on the hot plate, we measure about 62 °C. This seems more correct because we were able to touch it without burning ourselves. My question is, what is the problem with the measurement done with the infrared camera?...

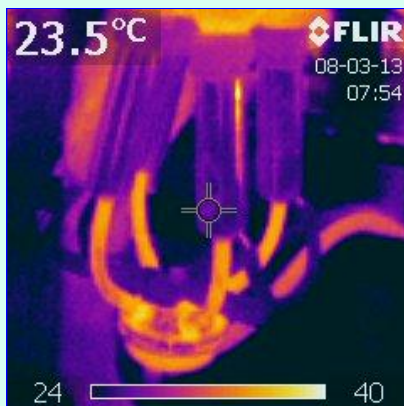
And of course if **YOU** have a question or want to start a discussion on a topic, we would love to hear from you. Just post a new thread on a [message board](#).

QUIZ! ? Brainteaser of the Month

Here is this month's brainteaser. Readers who email us a correct explanation are entered into a drawing to win a prize. Please put "Brainteaser" as the subject of the message.

[Click here to email your guess](#)

Do you have an interesting image that you think would challenge other thermographers? If so please [email](#) me your image (preferably in native .img, .jpg, .tif, .tgw, or .tmw format) with an accompanying visible photo and explanation. If your image is used, you receive a gift as well.

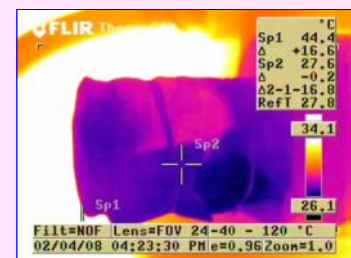


Last Month's Brainteaser

Last month's brainteaser is an image of one of the air intake filters on the blower of the 300HP GE DC motor shown in the visible photo. The attached video shows several motor blower intake filters. The 300 hp is the last motor in the video. You can actually see the patterns produced by the cooler air being sucked in through the filter and mixing with the warmer air already inside.

We received a total of 49 guesses last month and 16 correct answers.

Congratulations to our winner Ray Gordon, and to our thermogram contributor, Mike Dayton. They both win the revered ITC low e coffee mug.



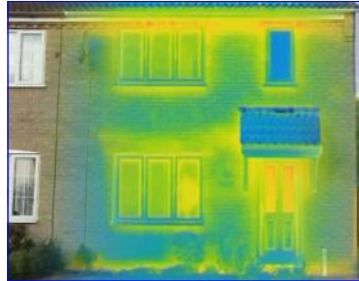
[Click image for video](#)





Video of the Month

Anglian Home Improvements use thermal imaging technology to show you just how much energy and money you can save by replacing your windows and doors. Click the image to watch the video.



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