



The Thermographer

NEWSLETTER OF THE AUSTRALIAN PROFESSIONAL THERMOGRAPHY ASSOCIATION INC.
ABN 30 152 579 238 ACN / ARBN 152 579 238

Edition No.15 September / October 2014

General Meeting and Conference - October 2014

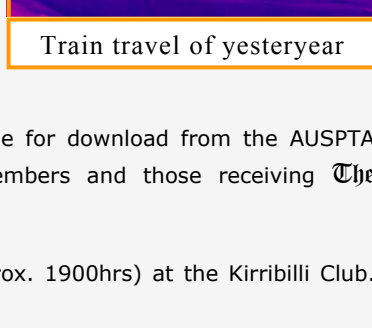
AUSPTA's next General Meeting and Conference will be held in Sydney, Friday 17th October 2014 at the Kirribilli Club Lavender Bay.

The agenda and full details of the meeting have been emailed out to all members and all those receiving *The Thermographer*. The agenda has also been posted on the AUSPTA website.

If you are looking to add input for any of the Industry User Group (IUG) workshops please forward to admin@auspta.asn.au. Information is required to be received by **Friday 26th September 2014** so it may be forwarded to the relevant Chair of each IUG.

Many thanks to those who have already responded for attendance or those sending their apologies to the Conference. For those still looking to attend **RSVP by Friday 26th September 2014**, this is required for catering and logistics.

Attendance to AUSPTA's General Meeting and Conference is **FREE** to **ALL** members and any attendee interested in Thermography. Arrival tea and coffee, morning tea, lunch and afternoon tea are provided free of charge.



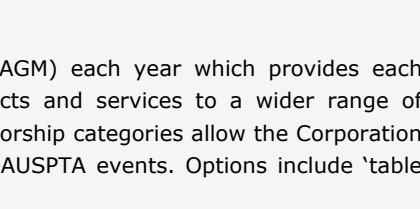
Train travel of yesteryear

A map showing travel and accommodation details is available for download from the AUSPTA website. The details have been previously sent to all members and those receiving *The Thermographer*.

Following the Conference there is an informal dinner (@ approx. 1900hrs) at the Kirribilli Club. The dinner is at the members and attendees expense.

Corporate Sponsorship of AUSPTA

A new range of Corporate Sponsorship levels have been made available for Corporate membership of AUSPTA.



In addition to the current benefits already offered to Corporate Members, which include placement of their Corporations logo on the AUSPTA website and a web link directly to their Corporations website, there are now three Sponsorship levels on offer: Silver, Gold and Platinum.

These sponsorship levels not only include Corporate membership of AUSPTA (for a term of one year from date of joining) but also offer a wide range of promotional opportunities providing exposure to various Industry User Group (IUG) members.

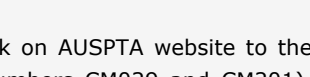
AUSPTA holds two General Meetings (one includes the AGM) each year which provides each Corporation with the opportunity to present their products and services to a wider range of people than they would normally have access to. All Sponsorship categories allow the Corporation to showcase their products and promotional materials at AUSPTA events. Options include 'table top presentation' of their products and services.

Corporate sponsorship of AUSPTA is available to any manufacturer, camera supplier, training Organisation, Industry Association or Corporation involved in, or with an interest in, Thermography. Full details of Corporate Sponsorship are available on AUSPTA's website or by contacting AUSPTA's Administration.

Placement of a Corporations logo on the AUSPTA website is acknowledgment of their support.

AINDT CM* Certification Exam - October 2014

Have you completed your Level 1 Training and are now looking for third party Category I Certification or require to be re-Certified?



There will be an AINDT CM Category I Certification exam coinciding with AUSPTA's October General Meeting in Sydney. The exam will be conducted on the afternoon of Thursday 16 October 2014 (the day prior to AUSPTA October General Meeting). The venue will be the Kirribilli Club Lavender Bay.

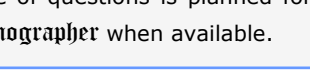
Any person interested in sitting for the exam, please follow the link on AUSPTA website to the application forms and relevant documentation (use AINDT form numbers CM029 and CM201). Alternatively, contact AUSPTA's Administration at admin@auspta.asn.au or AINDT / CMCB direct.

A pre exam study guide will be available for participants. The pre exam study guide will be forwarded from AINDT upon receipt of your exam application at AINDT.

*CM is Condition Monitoring.

AINDT CM Category II Certification Exams

Now the Category I Certification (General) exam is available development has begun on the specific Category II exams for the specific Industries.



The AINDT CM IRT Certification Committee have commenced development on a Category II Electrical exam. A proposed timeline for availability of the database of questions is planned for the first quarter of 2015. More details will be published in *The Thermographer* when available.

Electrical Scope Of Work (SOW) Now Available

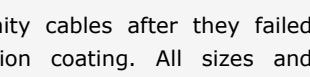
Alan Wright (Chair) and AUSPTA's electrical Industry User Group have produced a Scope Of Work (SOW) document for use within the electrical Industry.

A great deal of time and effort was involved in producing the document. The document has been made available publicly (not only to AUSPTA members) and is available to ALL visitors to AUSPTA's website. It may be found in the 'Downloads' section of the Associations website.

Many thanks to Alan and his sub-Committee members for their efforts.

Electrical Safety Recall

An electrical safety recall notice was sent out on 27th of August from the Australian Competition and Consumer Commission (ACCC) regarding certain brands of electrical cables. See link below for the full report.



"18 electrical retailers and wholesalers have today recalled Infinity cables after they failed electrical safety standards due to poor quality plastic insulation coating. All sizes and configurations of white TPS* and Orange Round Infinity mains power cables are affected."

<http://www.accc.gov.au/media-release/national-infinity-electrical-cable-safety-recall>

"...this recall serves as a reminder that companies sourcing or accepting products from less expensive overseas suppliers must have quality assurance processes in place to ensure the safety of consumers".

Quote from John Wooden: "If you don't have time to do it right, when will you have the time to do it over"?

ISO - Standards Update

The ISO 18436-7:2014 Condition Monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 7: Thermography has been published.



This supersedes the previous edition ISO 18436-7:2008.

"ISO 18436-7:2014 specifies the requirements for qualification and assessment of personnel who perform machinery condition monitoring and diagnostics using infrared thermography.

A certificate or declaration of conformity to ISO 18436-7:2014 will provide recognition of the qualifications and competence of individuals to perform thermal measurements and analysis for machinery condition monitoring using portable thermal imaging equipment. This procedure might not apply to specialized equipment or other specific situations.

ISO 18436-7:2014 specifies a three-category classification programme that is based on the technical areas delineated herein."

The following Standards have a status of "International adoption":

ISO 13381-1-2004 Condition monitoring and diagnostics of machines - Prognostics - Part 1: General guidelines.

ISO 17359-2011 Condition monitoring and diagnostics of machines - General guidelines.

ISO 18434-1-2008 Condition monitoring and diagnostics of machines - Thermography - Part 1: General procedures.

ISO 18436-4-2008 Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 4: Field lubricant analysis.

ISO 18436-6-2008 Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 6: Acoustic emission.

ISO 18436-7-2014 Condition monitoring and diagnostics of machines - Requirements for qualification and assessment of personnel - Part 7: Thermography.

Copy's of these Standards are available for purchase from the ISO website www.iso.org

Connecting FLIR Ex Camera to a Computer

A technical bulletin was received from the Service Engineering department of FLIR Systems Australia.



"If you come across the problem of having difficulties of connecting an Ex (series) camera to a PC, the following link explains the process you need to follow to update the USB drivers on your computer.

http://flir.custhelp.com/app/answers/detail/a_id/987/~/~usb-connection-problem-with-flir-ex-series-cameras

Not all Ex cameras will have this problem, so it is only required if the camera is unable to connect. The latest version of the software does correct this issue".

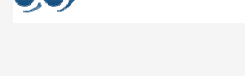
Setting up a registration at <http://flir.custhelp.com> allow access to a vast range of FLIR resources. Resource's include camera user documentation, firmware updates for cameras, software and software updates for reporting.

UoM and Jena Dyco Develop Moisture Training Course

The University of Melbourne in conjunction with Jena Dyco International have developed a 2-day course for professionals needing advanced skills in moisture identification.



The course will explore the principles, procedures and applications of infrared thermography and is designed to develop competency in detecting moisture in affected buildings.



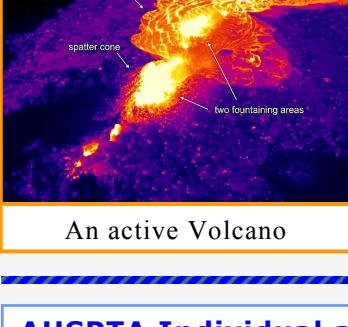
The course is to be facilitated by Dr Alan Smith (see Alan's bio here <http://www.findanexpert.unimelb.edu.au/display/person15120>).

Further details may be found on AUSPTA's website under the 'Training' heading.

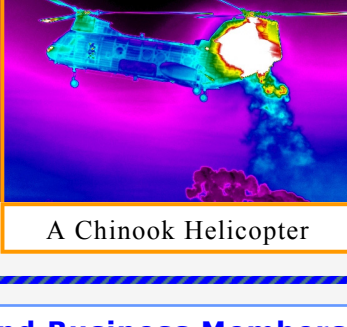
Interesting Articles

<http://news.sciencemag.org/biology/2014/06/trees-become-refrigerators-koalas>

<http://www.sail-world.com/Australia/Thermal-imaging-shows-the-way-to-a-safer-Sydney-Harbour/122753>



An active Volcano



A Chinook Helicopter



Just hangin' around

AUSPTA Individual and Business Membership Information 2015

Individual and Business member renewal invoices and documentation will be emailed out to all members beginning December. Renewal documents are also available for download from October of each year via the Associations website (in the Downloads section).

If proposing a New Member please ensure use of the current membership application forms and documentation. Please note there are different application forms for each membership category.

When applying for registration in a specific Industry User Group (IUG) supporting documentation must accompany your membership application.

2015 New Membership applications will be available for download from AUSPTA's website in October.

1. Individual Membership 2015 (AUSPTA doc 002)
2. Business Membership 2015 (AUSPTA doc 028)

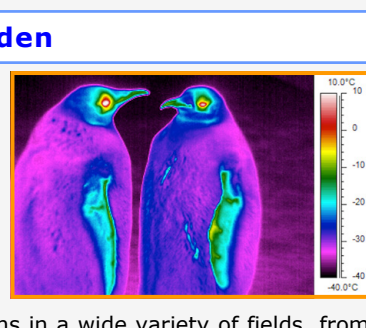
All Individual and Business membership applications for **New Membership** received after the 1st of October receive membership to 31st December the following year.

***NOTE 1: When submitting New Membership or Renewal Membership forms please complete and forward ALL pages of the document and include a passport style photograph (either electronic or hard copy), details of payment and any supporting information required.**

***NOTE 2: Any member (Individual, Business or Corporate) who are unfinancial for three (3) months after their membership period has expired will have their membership suspended. Their details will be removed from AUSPTA's website (where applicable), until such time as they become financial.**

ITC Conference in Sweden

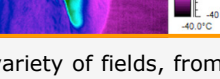
Enjoying the cold weather? Why not follow it to Sweden.



ITC are holding a two (2) day Conference in Sweden on Wednesday 29th and Thursday 30th of October 2014.

"The new ITC User Conference addresses a wider public and will be a professional meeting place for technicians, engineers, scientists, and users of all kind of infrared measurement equipment. The conference will cover IR physics and applications in a wide variety of fields, from inspection of electrical installations, building surveys, industrial and automation applications, optical gas imaging to NDT and advanced research applications".

The main language for the Conference is English, so no need to brush up on your Swedish. Full details are available from AUSPTA's website.



AUSPTA Conference's - What Would YOU Like To See?

Over the last 3 years AUSPTA General Meetings and Conferences have had a vast range of presentations. They have ranged from Thermography in the Marine Environment, Electrical, Building Sciences, Insurance's for Business and Individuals, Heavy Machinery fault diagnosis, Thermal Camera technology, Thermography training courses, Current Standards and also Certification.

Suggestions or expressions of interest of any subject or topics you would like to see at a Conference are welcomed and may be forwarded to admin@auspta.asn.au. Alternately you may contact AUSPTA's Executive members (President Shawn Moore: shawn.moore@auspta.asn.au, Vice President Steve Bowman: steve.bowman@auspta.asn.au or Hon Sec / Treas Mal Campbell: mal.campbell@auspta.asn.au).

Do you have a presentation or a practical demonstration you would like to present at an AUSPTA Conference? If you do please contact the Association via the details shown above. The first Conference in 2015 will be in late March.

Your Association looks forward to hearing your thoughts.

STOP PRESS

Recent TV and Radio announcements regarding the use of Thermal Imaging for breast scans highlights the risks involved when incorrect camera's or poorly trained operators are involved.

As with any Industry or Profession e.g. electrical, mechanical, building science etc., inadequately trained personnel using camera's which are not fit for purpose or equipment not appropriate for the task will collect data which is inaccurate or flawed.

It is not Thermography or Thermal Imaging which is flawed, but lack of understanding or awareness of the processes and equipment required by the camera operator.

There is documented evidence of professionals using or employing Thermography successfully for medical applications.

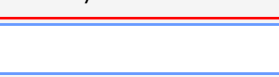
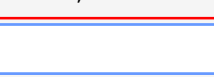
Just as traditional mammograms have been known to be inaccurate or worse, ineffective in some instances, so to Thermography is exposed to the same risk when ineffectively used.

AUSPTA Documentation

All AUSPTA documentation now shows the Associations ACN in addition to the ABN and ARBN. This is to comply with current Legislative requirements and Acts in ALL States and Territories of Australia.

Current documentation may be downloaded from the Associations website, www.auspta.asn.au Please use current documentation for any correspondence with the Association.

Thermography Training



Are you or your employees looking for Thermography training? There are various levels of training available from entry level half day courses through to comprehensive Level 2 Thermography training.

For details of Organisations providing recognised training in Thermography, visit AUSPTA's website, www.auspta.asn.au, and look under the heading 'Training'.

The Thermographer Deadlines for 2014

The Thermographer would like to include your thermal images, articles or 'stories' in future editions. Forward them to admin@auspta.asn.au. The deadline for materials are listed below:

Friday 21st November (Edition 16 - December 2014 / January 2015).

Active participation in any AUSPTA sub Committee, Industry User Group, articles published or images featuring in *The Thermographer* earn points towards your CPD requirements for the year.

Thank you to all who have provided information and/or images for this edition of The Thermographer.

What does the 'information' on my Membership Card mean?

For details and description of the information on your Membership card, visit the Associations website where you may view or download the Membership Card Details form.

Spread the AUSPTA word!

Do you know someone interested in Thermography or who has a requirement to be a member of a Professional Association? Please feel free to forward them *The Thermographer*.

Remember AUSPTA is not an Industry specific Association. It embraces any Individual, Business, Company or Corporate Organisation who have an interest in or use Thermography.

To unsubscribe to this newsletters mailing list [click here](#)

AUSTRALIAN PROFESSIONAL THERMOGRAPHY ASSOCIATION INC.

ABN 30 152 579 238 ACN / ARBN 152 579 238

PO Box 176 Milsons Point NSW 1565 Website: www.auspta.asn.au Email: admin@auspta.asn.au

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