

## 2017

July 2<sup>nd</sup>-6<sup>th</sup>, 2017

2<sup>nd</sup> Asian Conference on Quantitative InfraRed  
Thermography in Daejeon, Korea

Venue: Interciti Hotel, 92 Oncheon Ro, Yuseong-gu Daejeon,  
34189, Rep of Korea

*Sessions of medical interest*

Monday 3<sup>rd</sup> July

9.30 to 10.50 Medical Thermography 1

11.10 to 12.30 Medical Thermography 2

Tuesday 4<sup>th</sup> July

16.30 to 18.00 Bio Thermography 1

Thursday 6<sup>th</sup> July

10.00 to 11.30 Bio Thermography 1

*Further information*

[www.qirtasia2017.com](http://www.qirtasia2017.com)

*Contact* : Prof Wontae Kim

Div. of Mechanical & Automotive Engineering Kongju  
National University, Cheonan, Chungnam, 30080, Rep of  
Korea, Email: [kwr@kongju.ac.kr](mailto:kwr@kongju.ac.kr)

July 17<sup>th</sup> - 19<sup>th</sup>, 2017

13<sup>th</sup> International Conference on Heat Transfer,  
Fluid Mechanics and Thermodynamics (HEFAT2017)  
in Portoroz, Slovenia

*Conference website*: <http://edas.info/web/hefat2017/>

*Abstract submission information*:

<https://edas.info/web/hefat2017/cfp.html>

September 15<sup>th</sup> -17<sup>th</sup>, 2017

AAT Annual Meeting  
in Greenville, South Carolina, USA

A Pre-Meeting Physicians Member Certification Course  
will occur on September 15<sup>th</sup>

**2017 Program and Events**

**Saturday, September 16<sup>th</sup>, 2017**

08:00am - Registration

08:30am - *Welcoming Remarks*

Jeffrey Lefko, Greenville, SC, Executive Director, American Academy  
of Thermology

8:35-9:20am *Keynote Address*: Thermal Patterns in Disease  
and Condition Monitoring

Marcos Brioschi, M.D., Professor of the Department of Neurology,  
Hospital das Clinicas da Universidade de São Paulo, Brazil.

9:20am - 10:45am *Session 1: Community Education - Promul-  
gating Thermal Imaging Inside and Outside*

9:20am-9:40am Update on the AAT Thermography  
Atlas of Medical Conditions  
Jan Crawford, BSN,  
Member, AAT Board of Directors

9:40-10:00am Equilibration and Cold Challenge  
Testing Techniques  
Robert Schwartz, MD, Greenville, SC,  
Chairman, American Academy of Thermology

10:00am-10:30am Bridging the Thermography Gap- Public  
and Physician Outreach  
Christine Horner, MD, San Diego, CA,  
Member, AAT Board of Directors

10:30-10:45am Panel Discussion

10:45am -11:15am Break

11:15am -12:30 pm *Session 2: Advancements in Infrared  
Imaging Cameras, Equipment, and Translational Applications*

11:15-11:30pm Physics-Importance of Sensivity in  
Camera Selection  
Robert Schwartz, MD,  
Chairman, AAT Board of Directors

11:30-11:50am Adsorption/Absorption Thermography-  
Concurrent Use with Steam for Finger Print Identification  
Michael L. Myrick, PhD., Professor, Department of Chemistry and  
Biochemistry, University of South Carolina, Columbia, SC

11:50am-12:20pm Forensic and Sports Medicine  
Applications for Thermal Imaging  
Marcos Brioschi, MD, President of  
Brazilian Medical Thermology Association

Q&A/ Panel Discussion

12:30pm - Lunch (provided)

1:30pm -3:00pm *Session 3: Clinicians Corner:*

*Thermography as an Extension of the Physical  
Exam for Use in Diagnosis and Treatment*

1:30-2:00pm Breast Cancer Prevention  
Christine Horner, MD,  
Member, AAT Board of Directors

2:00- 2:20PM Integrating a Thermal Imaging Lab Within a  
Medical Practice: Clinical Applications and Practical Pitfalls  
George Schakaraschwili, MD, Aurora, CO,  
AAT Atlas Editor

2:20-2:40PM How I Learned to do Interpretations  
Eric Ehle, DO, Amarillo, TX, Member, AAT

2:40-3:00pm Thermal Imaging: How It Changed My  
Approach to Patient Care  
Matthew Terzella, MD, Greenville, SC, Member, AAT

Panel Discussion

3:00pm - Break

3:30pm -5:00pm *Session 4: Thermal Imaging Advances and Development Issues and Challenges*

3:30-4:00pm "Picture This.." The Independent Technician's Role in Properly Conducting Exams Which Contribute to Physician Diagnostic Information  
Jan Crawford, BSN, Member, AAT Board of Directors

4:00- 4:20pm Thermal Images among Different Animals  
Dr. Tracy Turner, DVM, Elk River, MN,  
Member, AAT Board of Directors

4:20-4:40pm Use of Thermographic Imaging:  
An Internist's Perspective  
Tashof Bernton, MD, Aurora, CO,  
Member, AAT Board of Directors

4:40-5:00pm Integration of Thermography into PMR,  
Educational Components of Medical Residency Programs  
Bryan O'Young, MD, Geisinger, PA.,  
President, AAT Board of Directors  
Sam Wu, MD, Geisinger, PA.,  
Member, AAT Board of Directors

5:00pm - Annual Scientific Session Wrap Up and Remarks

5:30pm - Session Ends

Shuttle back to Crowne Plaza Hotel

6:30- 7:30pm - Meet and Mingle Reception with the  
Leadership at the Crowne Plaza Hotel

Presentation of AAT 2017 Achievement Award

### **Sunday September 17<sup>th</sup>, 2017 Committee Meetings**

07:30am - Shuttle from Crowne Plaza Hotel

08:00am - SPECIAL THERMOGRAPHERS WORKSHOP: How to Build and Grow Your Thermology Practice - Open for all Attendees

Marketing/Promotion/ Communication Tactics and Plans  
Office Practice Issues and Challenges

Website Development

Q&A Session

Networking, Information Exchange

09:30am -10:30am *Open General Session (for all attendees)*

Topics to be Discussed -Membership, Education,  
Advocacy, Website Development

10.30 Shuttle returns to Crowne Plaza Hotel

10:45am - 12:45pm Board of Directors Meeting  
(Board Members Only)

### *Further information*

American Academy of Thermology

500 Duvall Drive

Greenville, SC 29607

Info@aathermology.org

website: <http://aathermology.org/annual-session-program/>

September 27<sup>th</sup> - 29<sup>th</sup>, 2017

14<sup>th</sup> AITA 2017 (International Workshop on  
Advanced Infrared Technology and Applications) in  
Québec City, Canada

*Conference venue:* Université Laval

In the 14<sup>th</sup> AITA edition, special emphasis will be given to  
the following topics:

Advanced technology and materials

Smart and fiber-optic sensors

Thermo-fluid dynamics

Biomedical applications

Environmental monitoring

Aerospace and industrial applications

Nanophotonics and Nanotechnologies

Astronomy and Earth observation

Non-destructive tests and evaluation

Systems and applications for the cultural heritage

Image processing and data analysis

Near-, mid-, and far infrared systems

AITA 2017 is pleased to announce the following keynote  
speakers:

Dr. Paolo Bison, CNR - ITC, Italy on "IR thermography  
applied to assess thermophysical properties of Thermal  
Barrier Coatings".

Dr. Roman Maev, University of Windsor, Canada on "Cul-  
tural Heritage, an IR Perspective".

Dr. Andreas Mandelis, University of Toronto, Canada on  
"Photothermal Coherence Tomography (PCT): Three-Di-  
mensional Imaging Principles and Non-Invasive Biomed-  
ical, Dental and Engineering Materials NDI Applications"

*Information:* <http://aita2017.gel.ulaval.ca/home/>

AITA Secretariat

e-mail: [quebec@gel.ulaval.ca](mailto:quebec@gel.ulaval.ca)

18<sup>th</sup>-20<sup>th</sup> October 2017

VipIMAGE2017,

VI ECCOMAS Thematic Conference on Computational  
Vision and Medical Image Processing in Porto, Portugal

Thematic Session on

Infrared Thermal Imaging in Biomedicine

Topics of interest include (but are not restricted to):

- Botany
- Camera technology
- Dentistry
- Dermatology
- Endocrinology
- Fever screening
- Forensic and evidence medicine
- Integrative medicine
- Oncology
- Orthopaedics

- Paediatrics
- Physiotherapy
- Rheumatology
- Sports medicine
- Surgery
- Temperature measurement
- Thermal image processing
- Thermal physiology
- Vascular medicine
- Veterinary medicine

The proceedings book will be published by Springer under the book series "Lecture Notes in Computational Vision and Biomechanics" and indexed by Elsevier Scopus

A special issue of the Taylor & Francis international journal "Computer Methods in Biomechanics and Biomedical

Engineering: Imaging & Visualization" , indexed in ISI Thomson Reuters, Elsevier Scopus and dblp, will be published. All authors of works presented in VipIMAGE 2017 will be invited to submit an extended version to the special issue

*Further information*

[Www.fe.up.pt/vipimage](http://www.fe.up.pt/vipimage)

[Web.fe.up.pt/~vipimage/nav/conference/sessions.htm](http://Web.fe.up.pt/~vipimage/nav/conference/sessions.htm)

*Organizers*

Ricardo Vardasca, Joaquim Gabriel  
Faculdade de Engenharia, Universidade do Porto  
Rua Dr. Roberto Frias S/N, 4200-465 Porto, Portugal

Emails: [rvardasca@fe.up.pt](mailto:rvardasca@fe.up.pt), [jgabriel@fe.up.pt](mailto:jgabriel@fe.up.pt)



## MEETING ANNOUNCEMENT

**14<sup>th</sup> European Association of Thermology Congress**

**“Thermology in Medicine:  
Clinical Thermometry and Thermal imaging”**

*4<sup>th</sup> – 7<sup>th</sup> July 2018*

*National Physical Laboratory, Teddington, London  
United Kingdom*

# LONDON 2018

XIV E.A.T. Congress, 4-7 July 

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

The EAT and the National Physical Laboratory are delighted to invite you to participate in the XIV EAT Congress in Teddington, London, United Kingdom from 4<sup>th</sup> to 7<sup>th</sup> July 2018.

The European Association of Thermology exists to promote, support and disseminate research in thermometry and thermal imaging in the fields of human and veterinary medicine and biology. We do this through our peer-reviewed journal Thermology International, regional seminars around Europe, and our flagship Congress, which takes place every three years.

Following on from the most recent meetings in Porto (2012) and Madrid (2015), the Congress heads back to northern Europe for 2018 to the National Physical Laboratory (NPL) in the United Kingdom.

The EAT Board looks forward to welcoming you to NPL's world class conference facilities in the summer of 2018.



Dr. Kevin Howell

EAT President

Chair, 2018 EAT Congress Organising Committee

## VENUE.



The National Physical Laboratory (NPL) is the United Kingdom's National Measurement Institute and is located in Teddington, south west London, approximately 30 minutes by taxi from Heathrow Airport and a 30 minute train journey from London Waterloo. [www.npl.co.uk/location](http://www.npl.co.uk/location).

**LONDON 2018**

XIV EAT Congress, 4-7 July **NPL**

XIV EAT CONGRESS 4<sup>th</sup> – 7<sup>th</sup> July 2018, NPL.



#### ORGANISING COMMITTEE.

Kevin Howell (GBR), Chair  
Kurt Ammer (AUT)  
Roger Hughes (GBR, NPL)  
Anna Jung (POL)  
Graham Machin (GBR, NPL)  
Francis Ring (GBR)  
Adérito Seixas (POR)  
Rob Simpson (GBR, NPL)  
Manuel Sillero-Quintana (SPA)  
Ricardo Vardasca (POR)

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Kurt Ammer (AUT)  
Damiano Formenti (ITA)  
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Adérito Seixas (POR)  
Maria Soroko (POL)  
Rob Simpson (GBR)  
Dieter Taubert (GER)  
Rod Thomas (GBR)  
Ricardo Vardasca (POR)

#### KEY DATES.

Abstract submission will open online on 31<sup>st</sup> July 2017, and authors will be notified of acceptance for oral or poster presentation by 29<sup>th</sup> January 2018.

**December 2016.** Publication of the First Announcement.

**July 2017.** Publication of the "Call for Abstracts" document.

**31<sup>st</sup> July 2017.** Opening of abstract submission and registration.

**29<sup>th</sup> November 2017.** Abstract submission deadline

**29<sup>th</sup> January 2018.** Acceptance notification to authors.

**26<sup>th</sup> February 2018.** End of Early Registration and deadline for registration of presenting authors.

**LONDON 2018**  
XIV EAT Congress, 6-7 July NPL

**XIV EAT CONGRESS 4<sup>th</sup> – 7<sup>th</sup> July 2018, NPL.**

## KEY MEETING THEMES.

Calibration and traceability in biomedical thermometry

Infrared thermography in biomedicine

Contact temperature measurement

Hardware and software solutions for infrared imaging

Biomedical applications: surgery, dermatology, neurology, vascular and pain syndromes

Thermometry in exercise physiology, rehabilitation and human performance research

Temperature measurement in animal welfare, veterinary applications and equine physiology

## REGISTRATION FEES (\*)

	Early Registration (Until 26 FEB 2018)	Late Registration (After 26 FEB 2018)
EAT MEMBER	£200	£250
Non-Member	£250	£300
Student (**)	£170	£220

(\*) Further information about the registration process will be provided in the "Call for abstracts" document. Registration includes access to all congress sessions, congress lunch and coffee breaks, the Congress Dinner, and a guided visit to the historic Hampton Court Palace on 7<sup>th</sup> July.

## ACCOMMODATION

There are a number of hotels within walking distance of the National Physical Laboratory and Teddington railway station, and even more choice within a 15 –minute radius by train, taxi or bus. Further information about local hotels can be found at <http://www.npl.co.uk/contact-us/local-hotels>. Early booking in 2018 is advisable!

## ACCOMPANYING PERSONS

With central London just 30 minutes away by rail, Teddington is an excellent base for accompanying persons to enjoy the capital city of the UK without the need for an organised tour. All accompanying persons will be invited to join the Congress Dinner and social programme upon payment of the appropriate fee.

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