

2015

26th -27th September 2015

Annual Scientific Session of the American Academy of Thermology in Greenville, South Carolina

AAT welcomes you to our 2015 Medical Thermal Imaging Scientific Session in beautiful downtown Greenville, South Carolina!. Annual Meeting proceedings and the Physicians Member Certification Course will be held on the Bon Secours St. Francis Hospital campus at the Bernadine Center.

Please use

<http://aathermology.org/events-calendar/annual-session-program/hotel-travel/>

for details on how to get to Greenville, recommended hotels and block rates, and directions to the Bon Secours St. Francis Hospital Bernadine Center.

**Pre-Meeting Physician Member Certification Course:
Friday, September 25th, 2015.**

Take the next step toward AAT Membership status elevation!
Take an AAT Member Certification Course.

2015 Program and Events

General Sessions: Saturday, September 26th, 2015

08:00am – Registration

08:30am – **Welcoming Remarks** - Jeffrey Lefko, Greenville, SC, Executive Director, American Academy of Thermology

8:35-9:30am

Keynote Address: Overview of New Technology Advances in Biosciences and Translational Applications of New Technology - Davood Tashayyod, Coulter Project Director, Drexel University

9:15am – 10:45am SESSION 1: CLINICAL CONDITIONS, AAT GUIDELINES & INDICATIONS

9:15-9:45am Presentations of 2015 Revisions of Neuromusculoskeletal Thermography Guidelines and Breast Thermography Guidelines -Dr. Robert Schwartz, MD, Greenville, SC, President of American Academy of Thermology

9:45- Presentation of New 2015 Oral Systemic Guidelines - Dr. Robert Schwartz, MD, Greenville, SC

10:15–10:45 am Clinical Applications in Animal Physiology- Dr. Tracy Turner, DVM, Elk River, MN, Board Member, American Academy of Thermology

Q&A/ Discussion

10:45am – Break

11:15am – SESSION 2: PANEL DISCUSSION: ADVANCEMENTS IN THERMOGRAPHIC CAMERAS, EQUIPMENT, AND IMPROVING THERMOGRAPHIC STUDIES

11:15-11:40am Physics Review of Medical Thermal Imaging - Mr. Gary Lux, Cold Mountain Infrared, Black Mountain, NC, LLC

11:40-12:30am HOW I DO IT- IMPROVING THERMOGRAPHIC STUDIES- ORAL/POSTER PRESENTATIONS

Jay Mead, MD, Clackamas, OR, **Laboratory Correlates for Estrogen Imbalances with Thermal Imaging**

James Campbell, MD, Clemmons, NC, **Thermographic Findings in Autoimmune Diseases**

Q&A/ Discussion

12:30pm – Lunch (provided)

1:30pm –SESSION 3: PANEL DISCUSSION: HOT TOPICS IN THERMAL IMAGING, RESEARCH ISSUES AND CHALLENGES

1:30-1:35pm Thermal Imaging Controversies- Lymphatic Congestion and Angiogenesis

Moderator: Dr. Robert Schwartz, MD, Greenville, SC, President of American Academy of Thermology

1:35-2:45pm Lymphatic Congestion and Angiogenesis: What am I Looking At?

Jan Crawford, RN, Member, AAT Board of Directors
Philip Getson, DO, Vice President, AAT Board of Directors
R.A. Bhaskaran, MD, AAT Certified Physician Member

Q&A/ Discussion

3:00pm – Break

3:30pm – SESSION 4: PANEL DISCUSSION: EMERGING ROLE OF THERMAL IMAGING, RESEARCH ISSUES AND CHALLENGES

3:30-3:45pm New or Emerging Technology Uses–AAT Member Atlas of Thermography - James Campbell, MD, Clemmons, NC, Chair of Member's Only Website Thermography Atlas project

3:45-4:00pm Sports Medicine Thermal Imaging - Robert G. Schwartz, MD, President, American Academy of Thermology

4:00-4:30pm Recent International Developments in Thermography, Integration of Thermography into PMR, Educational Components of Medical Residency Programs - Dr. Bryan O'Young, MD, New York, NY, Secretary, AAT Board of Directors,

4:30-5:00pm Issues and Challenges for Research and Education in Medical Thermography - James Melton, MHA, Cary, North Carolina, Member, AAT Board of Directors

Q&A/ Discussion

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 2015 ACHIEVEMENT AWARD

Committee Meetings: Sunday September 27th, 2015**07:30am – Shuttle from Crowne Plaza Hotel****08:00am – Committee Meetings**

(Committee members and other attendees):

- Membership Committee including:
 - Sub Committee on Complimentary Alternative Medicine (CAM) and Allied Health
 - Sub Committee on Technicians/Technologists.
- Devices and Equipment Committee
- Journal/Newsletter
- Website Committee
- Education Committee
- Advocacy Committee

09:15am – General Session (all in attendance)

10:15am – General Session Ends

10:30am – Shuttle returns to Crowne Plaza Hotel

10:15am – Board of Directors Meeting (board members only)

1pm – Board of Directors Meeting Ends

29th September-2nd October 2015

AITA 2015-Advanced Infrared Technology and Applications in Pisa, Italy

Scope & Topics

After the 12th International Workshop held in Turin (Italy) in September 2013, it has been decided to organize the 13th AITA 2015 in Pisa (Italy) with the main objectives to assess the state of the art of the technology in the Infrared bands and to present its most interesting applications. In the 13th 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 system

Further information:<http://ronchi.isti.cnr.it/AITA2015/>