

## News in Thermology

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### MIRA Medical InfraRed Academy

Some engaged and experienced physicians dealing with thermography and infrared imaging for decades have launched an Academy focussed on Infrared Imaging in medicine and veterinary medicine. On December 2nd and 3rd, 2005, a workshop for physicians and veterinarians took place in Frankfurt, Main. More than 30 participants attended the meeting and presented a number of papers discussing the most actual developments in breast cancer prevention, whole body thermal scanning, regulation thermography and equine thermography.

Colleagues interested in Infrared Imaging are invited to join the MIRA which is associated with the German So-

ciety of Thermography and Regulation Medicine, founded 1954.

www.inframedic.de goto MIRA  
www.thermomed.org

Prof. Dr. med. Reinhold Berz, MD  
Harbach 5  
D-36115 Hilders/Rhön

Phon +49 (0) 66 81 - 72 70  
Fax +49 (0) 66 81 - 85 51  
mobile D +49 (0)160 - 96 71 29 89  
E-Mail reinhold.berz@inframedic.de

## Meetings

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April 17–21, 2006

**SPIE Defense & Security Symposium** at Gaylord Palms Resort and Convention Center; Orlando (Kissimmee), Florida USA including

Thermosense XXVIII (OR37)

Infrared Technology and Applications XXXII (OR38)

Infrared Imaging Systems: Design, Analysis, Modeling, and Testing XVII (OR 39)

Technologies for Synthetic Environments:

Hardware-in-the-Loop Testing XI (OR40)

**Exhibition:** 18-20 April 2006

The largest collection of infrared imaging equipment

#### Deadlines

Abstract Due Date: 3 October 2005

Manuscript Due Date: Week of 20 March 2006

On-Site Proceedings Manuscript Due Date: 23 January 2006

Further Information:

SPIE • P.O. Box 10, Bellingham, WA 98227-0010 USA

TEL: +1 360 676 3290 FAX: +1 360 647 1445

Email: [spie@spie.org](mailto:spie@spie.org) [www.spie.org](http://www.spie.org)

Website: [www.spie.org](http://www.spie.org)

June 27-30, 2006

**8 Conference on Quantitative InfraRed Thermography (QIRT)** in Padova - Italy,

#### Scientific Committee

D. Balageas, ONERA, France

#### QIRT Steering Committee

D. P. Almond, University of Bath, United Kingdom

J. M. Buchlin, Von Karman Institute, Belgium

G. Busse, University of Stuttgart, Germany

G. M. Carlomagno, University of Napoli, Italy

X. Maldague, Laval University, Canada

S. Svaic, University of Zagreb, Croatia

V. P. Vavilov, Tomsk Polytechnic, Russia

B. Wiecek, Technical University of Lodz, Poland

#### International Scientific Committee

D. P. Almond (U. K.) D. Balageas (France)

J. C. Batsale (France) C. Bissieux (France)

J. M. Buchlin (Belgium) G. Busse (Germany)

G. Cardone (Italy) G. M. Carlomagno (Italy)

E. Cramer (U.S.A.) E. Grinzato (Italy) B. Jähne (Germany)

P. Lybaert (Belgium) C. Maierhofer (Germany)

X. Maldague (Canada) P. Millan (France)

A. Nowakowski (Poland) A. Rozlosnik (Argentina)

F. Scarano (Italy) S. Svaic (Croatia) B. Wiecek (Poland)

V. Vavilov (Russia)

#### Organizing Committee:

Ermanno Grinzato (local chairman)

Antonella Barizza; Paolo G. Bison; Sergio Marinett

#### Deadlines:

November 7, 2005 Abstract submission

January 31, 2006 Notification of abstract acceptance

April 31, 2006 Paper submission

#### Conference fee

The conference fee is € 450 (early bird by May 15, 2006) and € 500 (late/on site after May 15, 2006) for authors presenting papers and posters.

The conference fee for all other participants is € 500, earlybird by May 15, 2004 or € 550 late/on site after May 15,2006.

The fee includes: sessions, lunches,welcome reception, conference dinner and a free subscription to the Journal of QIRT for two years

**Information:**

CNR-ITC, C.so Stati Uniti, 435127 PADOVA - Italy

phone +39 049 8295722 fax +39 049 8295728

email: info.qirt2006@itc.cnr.it

Website: <http://qirt2006.pd.cnr.it>

July 5 - 7, 2006

**7th Course on the Theory and Practice of Infra Red Thermal Imaging in Medicine,**

University of Glamorgan. Pontypridd CF37 1DL, UK

**Preliminary Programme (subject to change):**

Day 1 (Wednesday, 5 July):

Theoretical and Historical Basis of Thermal Imaging in Medicine

11.00-12.15 Registration in the (also known as 'Tâf' Building) next to 'Bytes' cafeteria

12.30-13.30 **Lunch**

13.30-14.30 History and development of IR imaging (FR)

14.30-14.40 Physical principles of heat transfer (FR)

14.40-15.20 **Break** and **check-in** to University accomodation

15.20-16.15 Principles of thermal physiology 1 (KA)

16.15-16.30 Film (cold and warm exposure)

16.30-17.20 Principles of Thermal Physiology 2 (KA)

Day 2 (Thursday, 6 July):

**Clinical Applications of Thermal Imaging**

09.00-09.45 Standard protocols for image capture (FR)

09.45-10.15 Provocation tests 1 (FR)

10.15-10.45 Provocation tests 2 (KA)

10.45-11.15 **Break**

11.15-12.15 Detector and camera systems (RT)

12.15-12.45 C THERM software introduction (PP)

13.00-14.15 **Lunch**

14.15 15.15 Parallel sessions, two groups:

Film (Living body- thermoregulation)

Practical Lab image capture

15.15-15.30 **Break**

15.30-16.30 Causes of temperature increase (KA)

16.30-17.15 Causes of temperature decrease (KA)

19:00 **Course Dinner**

Day 3 (Friday, 7 July):

Practical session capturing and analysing images

09.15-09.50 Producing a thermographic report (KA)

09.50-10.10 Discussion

10.10-10.25 Break

10.30-12.30 Practical Session:

Using C THERM software on images taken on day 2 and guided image analysis (FR/KA)

12.30-12.45 Reliability and Limitations of IR measurements

13.00-14.00 **Lunch** - Gallery Suite ("Conservatory Restaurant")

14.00-15.00 Future developments of thermal imaging in medicine

1. Image databases and image exchange (FR)

2. Integration into hospital DICOM systems (FR)

3. Medical Education, Journals and conferences (KA)

15.00 **Close**

**Registration Fee**

£365 (students £200). Cheques should be made payable to The University of Glamorgan. Prior reservation is essential. Booking form below.

The fee includes:

lunch and refreshment breaks,

book on thermal imaging in medicine,

searchable CD of archived "IR Imaging in Medicine" publications.

Accommodation

Inexpensive campus accommodation is available for participants without own transport who would like to stay at the University. Check-in after 14:00. If you plan to arrive late in the evening, please let us know.

There are also some Hotels and B&Bs nearby (contact details and prices on request, see ) for those with a car.

Certificate

The course is recognised by the University of Glamorgan and certificates will be issued to all who complete the course.



## EUROPEAN ASSOCIATION OF THERMOLOGY est.1974

### 10<sup>th</sup> Congress

combined with

9<sup>th</sup> Annual Congress of The Polish Association of Thermology

and

19<sup>th</sup> Thermological Symposium of the Austrian Society of Thermology

**ZAKOPANE POLAND 15<sup>th</sup> –17<sup>th</sup> September 2006**

#### General Information

#### Topics

Human body temperature, thermal physiology, applications of thermal imaging in medicine, veterinary medicine and biology.

Infra red imaging systems, software systems for thermal image processing,  
Technological and practical standards.

#### **Abstract deadline    MAY 1 2006**

Abstract form will be found in Thermology international and on the conference website

Contact [ajung@wim.mil.pl](mailto:ajung@wim.mil.pl)

**Registration Fee 300 Euros** ( based on room share)

Includes full board at conference hotel, and social events

Extra night (Sunday – breakfast Monday 18 Sept). 50 Euros

Transport (groups of 5 and over) from Krakow Int. Airport – 20 Euros return

Accompanying persons 250 Euros

Registration payment after August 1 2006 only on site

Payments to ATAS Sp. Z.o.o. ul.Luksusowa 19, 05-410 Józefów POLAND

BANK Millenium S.A. 57 1160 2202 0000 0000 3977 1815

A/c ZAKOPANE THERMOLOGY CONGRESS 2006

#### **Local organising committee:**

Prof. Anna Jung (Chair), Dr Janusz Zuber (deputy Chair) Dr Boleslaw Kalicki

Dr Alina Goszczyk mgr inż Piotr Murawski



#### **International Scientific Committee**

Prof. A Jung (Poland) president EAT

Prof. F.J.Ring (UK) vice president EAT

Prof. K Ammer (Austria) Sec. General EAT

Dr H Mayr (Austria) Prof. J Mercer (Norway)

Dr M Engel, Prof Dr R Berz (Germany)

Dr B Cupceancu (Romania) Prof. I Benko (Hungary)

Prof. H Tauchmannova (Slovakia)

Dr G Dalla Volta, Dr A Di Carlo (Italy)

Prof. B Wiecek, Prof. A Nowakowski (Poland)

Mr K Howell (UK) Prof. D Pascoe (USA)



## Combined Conferences

10 **European Congress of Medical Thermology**

9**National Congress of the Polish Association of Thermology**

19 **Thermological Symposium of the Austrian Society of Thermology**

Zakopane / Poland – 15th-17th September 2006



Last Name.....First Name..... Title .....

Institution .....

Street .....

ZIP Code .....City.....Country .....

Phone..... Fax ..... E – mail.....

Title
Autors
Abstract

Return this form not later than May 1, 2006 to:

Prof. Anna Jung  
Pediatric and Nephrology Clinic MSM  
Szaserów Str 128 00 909 Warsaw 60, POLAND Fax (48 – 22) 6816763  
e mail: [ajung@cskwam.mil.pl](mailto:ajung@cskwam.mil.pl)

Submission by email to the following addresses  
is also possible:

Prof Ring: [efring@glam.ac.uk](mailto:efring@glam.ac.uk)  
Prof Ammer: [KAmmmer1950@aol.com](mailto:KAmmmer1950@aol.com)