



Fondazione
"Giorgio Ronchi"



CNR-ITC
Padova



CNR-IFAC
"Nello Carrara"



CNR-ISTI
"Alessandro
Faedo"



Alenia-CREO



10th International Workshop on
**Advanced Infrared Technology and
Applications**

September 8 – 11, 2009

Astronomy and Space Science Department the University of
Florence,
Largo Fermi 4, Arcetri, Firenze (Italy)

<http://ronchi.isti.cnr.it/AITA2009/>

INPROTEC



Workshop objectives

After the International Workshop held in Leon (Mexico) in October 2007, it has been decided to organize the 10th AITA 2009 with the main objective to assess the state of the art of the technology in the near, thermal and far Infrared and to present its most interesting applications.

Main topics

- Advanced technology and materials
- Smart and fiber-optic sensors
- Thermo-fluid dynamics
- Biomedical applications
- Environmental monitoring
- Aerospace and industrial applications
- Astronomy and Earth monitoring
- Non-destructive tests and evaluation
- Systems for cultural heritage
- Image processing and data analysis
- Near-, mid-, and far infrared systems

Chairman of the Workshop

Laura Ronchi Abbozzo

Co-chairmen

G.M. Carlomagno, C. Corsi, E. Grinzato, I. Pippi, N.H. Rutt, O. Salvetti, M. Strojnik

Scientific Committee

D. Balageas, ONERA, France
G.M. Carlomagno, Univ. of Naples, Italy
C. Corsi, Alenia-CREO, Italy
E. Dereniak, Univ. of Arizona, USA
C.T. Elliott, Univ. of Edimburgh, U.K.
E. Grinzato, ITC-CNR, Italy
X. Maldague, Univ. Laval, Canada
I. Pippi, IFAC-CNR, Italy
A. Rogalski, Military Univ. of Technology, Poland
H.N. Rutt, Univ. of Southampton, U.K.
T. Sakagami, Osaka Univ., Japan
O. Salvetti, ISTI-CNR, Italy
M. Strojnik, CIO, Mexico
J.-L. Tissot, ULIS, France
V.P. Vavilov, Tomsk Univ., Russia
H. Wiggemhauser, BAM, Germany
H. Zogg, ETH, Switzerland

Language

The papers are to be written and presented in English, which is the official language of the Workshop.

Location and registration

The Workshop will be held in Florence at the Astronomy and Space Science Department of the University of Florence, very close to the Arcetri Astrophysical Observatory, from September 8th to 11th. The registration fee will be € 350,00 and will include: social dinner, coffee breaks, lunches, abstract booklet and Proceedings. A finite number of qualified students may apply at the reduced price of € 200,00 (social dinner and Proceedings excluded).

Abstracts and deadlines

An **extended abstract** (3-4 pages) must be electronically sent within April 17th, 2009, according to the Author's Instructions available in the Workshop Web-site (<http://ronchi.isti.cnr.it/AITA2009>) to ronchi@infinito.it

Acceptance will be notified to the authors within May 15th.
Authors are requested to submit their full paper within July 1st.

Publication

Proceedings of the Workshop (extended abstracts) will be distributed on site.
Selected full papers will be considered for publication in a Special Issue of the Journal of *Modern Optics* (Taylor & Francis).
All the other full papers will be published online or in *Atti della Fondazione "Giorgio Ronchi"*.

Organizing Committee

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Technical Secretariat

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