

The 11th International Conference on Quantitative InfraRed Thermography

Call for Papers

The Quantitative InfraRed Thermography (QIRT) conference is an international forum which brings together specialists from industry and academia, who share an active interest in the latest developments of science, experimental practices and instrumentation, related to infrared thermography.

Following conferences in Paris (1992), Sorrento (1994), Stuttgart (1996), Lodz (1998), Reims (2000), Dubrovnik (2002), Brussels (2004), Padova (2006), Krakow (2008) and Québec City (2010), the 11th Quantitative Infrared Thermography Conference, QIRT 2012, will take place on June 11-14th, 2012 at University of Naples Federico II, Naples Italy.

QIRT 2012 will cover, and it is not limited to, the following topics:

- ▶ State of the art and evolution in the field of infrared scanners and imaging systems, allowing quantitative measurements, and related data acquisition and processing.
- ▶ Integration of thermographic systems and multispectral analysis. Related problems like: calibration and characterization of infrared cameras; emissivity determination; absorption in media; spurious radiations, 3D measurements; certification and standardization.
- ▶ Thermal effects induced e.g. by electromagnetic fields, elastic waves or mechanical stresses.
- ▶ Application of infrared thermography to radiometry, thermometry and physical parameters identification in all fields such as (and not limited to): industrial processes; material sciences; termofluidynamics; structure and material non-destructive evaluations; cultural heritage; environment; fluid mechanics; medicine; biomedical science; food production.

Important Dates:	Abstract Submission Deadline:	December 15, 2011
	Acceptance Notification:	January 31, 2012
	Paper Submission Deadline:	April 30, 2012
	Main Conference:	June 11 – 14, 2012

Abstract and Paper Submission

The participants are invited to submit to the QIRT 2012 Secretariat by December 15th, 2011 an extended abstract of 2 pages (letter size/A4 format), either for oral or poster presentation, including key figures and main results.

Following acceptance notification, camera ready, full paper of 6-10 pages including color figures should be submitted to the QIRT 2012 Secretariat by April 30th, 2012.

All submissions for oral or poster presentation will be handled electronically via the conference website www.qirt2012.unina.it.

Authors are requested to propose the thematic section in which the paper should be included.

Web-Based Proceedings

Papers will be published online in the QIRT Open Archives <http://qirt.gel.ulaval.ca> and can be found via Google Scholar. A USB flash drive with all conference papers will be also distributed to conference participants. Selected papers will be published in the QIRT Journal after a subsequent review by experts.

For further information and updates please visit: www.qirt2012.unina.it or contact the organizing committee at qirt2012@unina.it

Steering Committee

- D. Balageas (France)
Chairman
X. Maldague (Canada)
Vice-Chairman
J.C. Batsale (France)
G. Busse (Germany)
J.M. Buchlin (Belgium)
G.M. Carlomagno (Italy)
E. Grinzato (Italy)
A. Nowakowski (Poland)
A. Salazar (Spain)
S. Svaic (Croatia)
B. Wiecek (Poland)
V. Vavilov (Russia)

International Scientific Committee

- 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)
A. Salazar (Spain)
F.F.J. Schrijer (Nederland)
S. Svaic (Croatia)
B. Wiecek (Poland)
H. Wiggenshauser (Germany)
V. Vavilov (Russia)

Organizing Committee

- G. Cardone
Chairman
T. Astarita
G.M. Carlomagno
L. de Luca
C. Meola

Host organization

Dep. of Aerospace Engineering
University of Naples Federico II

Tutorials, Symposium and Technical Visit

In addition to the main technical program, the conference will include:

QIRT Short Courses

A - Basic Thermography, B - Application to Fluids, C - Application to Solids, D - Cultural Heritage and Buildings.

The Courses are scheduled on Sunday, June 10th, 2012. The tuition fee is 348 €(290 €+ VAT 20%) for one or more courses. Course schedule: A in the morning B,C and D in parallel sessions in the afternoon.

Half Day Symposium in honour of Giovanni Maria Carlomagno

This symposium celebrates Carlomagno's long career as a scientist, featuring a small but very distinguished selection of friends who shared interest with Giovanni along his way. The half day symposium is scheduled in the morning of 11 June 2012.

Technical Visit to CIRA wind tunnels

On Friday June 15 is scheduled a technical tour of CIRA's SCIROCCO hypersonic plasma wind tunnel and Icing Wind Tunnel (IWT). SCIROCCO is one of the few facilities in the world able to perform thermo-structural testing on large-size or real-scale 1:1 models. The IWT is world's largest and most advanced facility that allows performing both aerodynamic and ice-type testing.

Students Awards

The QIRT 2012 organizing committee strived to stimulate young researchers by awarding the best three conference contributions presented and authored only by students.

Conference Fees

Regular participants

- Early rate (deadline: April 30th 2012): (460 €+ VAT 20%) 552 €
- Late rate (deadline: May 31th 2012): (540 €+ VAT 20%) 648 €
- Desk registration rate: (615 €+ VAT 20%) 738 €

Students

- Early rate (deadline: April 30th 2010): (290 €+ VAT 20%) 348 €
- Late rate (deadline: May 31th 2010): (340 €+ VAT 20%) 408 €

Fee covers: Conference USB Proceedings, Welcome reception, Conference dinner, 3 lunches and coffee breaks. Accommodation is not included. **For regular participants only, fee includes also a subscription to the QIRT Journal for 2 years** (Standard subscription rate 164€/year).

Accompanying persons

- Rate (deadline: May 31th 2012): (120 €+ VAT 20%) 144 €

This amount includes the Welcome reception and Conference dinner.

Venue

QIRT 2012 will be held at the University of Naples Conference Centre which is superbly located in Naples waterfront, unique for its focus on creative, cultural, entertainment and leisure activities. Naples location offers an ideal base for international visitors hoping to experience Campania's iconic attractions: Capri and Ischia islands, Herculaneum, Pompeii Positano, Sorrento, Ravello, all accessible within an hour.



For further information and updates please visit: www.qirt2012.unina.it
or contact the organizing committee at qirt2012@unina.it

QIRT 2012