

7-11 July Bordeaux

The 12th International Conference on Quantitative InfraRed Thermography

Call for Papers

Since 1992, the Quantitative InfraRed Thermography (QIRT) conference is a biannual 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 IR thermography.

Following conferences in Paris (1992), Sorrento (1994), Stuttgart (1996), Lodz (1998), Reims (2000), Dubrovnik (2002), Brussels (2004), Padova (2006), Krakow (2008), Québec City (2010) and Naples (2012), the 12th Quantitative InfraRed Thermography Conference, QIRT 2014, will take place on July 7-11, 2014, at the Mechanics & Engineering Institute of Bordeaux.

QIRT 2014 will cover, but will not be limited to, the following topics:

- State of the art and evolution in the field of IR 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 IR 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 IR thermography to radiometry, thermometry and physical parameters identification in all fields such as: industrial processes, material sciences, thermo-fluid dynamics, energetics, non-destructive evaluation, cultural heritage, environment, medicine, biomedical science, food production...

Important dates

- Abstract submission deadline: November 20, 2013
- Acceptance notification: January 31, 2014
- Paper submission deadline: April 30, 2014

Abstract and Paper Submission

The participants are invited to submit to the QIRT 2014 Web Site (qirt2014.scientific-event.com) by November 20, 2014 an **extended abstract** of 2 pages (letter size A4 format), either for oral or poster presentation, including key figures and main results. A book of abstracts will be distributed at the conference.

Following acceptance notification, **camera ready, full paper** of 6-10 pages including color figures should be submitted to the QIRT 2014 web site by April 30th, 2014.

All submissions for oral or poster presentation will be handled electronically via the conference website **QIRT2014.scientific-event.com**.

A Word template to be used for both abstracts and full papers is downloadable at the website.

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

Web-Based Proceedings and possible publication in QIRT Journal

Presented papers (oral and posters) will be published online in the QIRT Open-Archives, which can be found at the website: **www.qirt.org**. A USB flash drive with all conference papers will be also distributed to the conference participants.

After the conference, the Scientific Committee will carry out a pre-selection of the most prominent presented papers for a possible publication in Quantitative InfraRed Thermography Journal after a subsequent review by two experts.

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Host organization

Mechanics & Engineering
Institute of Bordeaux

Tutorials, Summer school and Technical Visits

QIRT short courses

In addition to the main technical program, the conference will include one-day short courses (Monday, July 7). The program and the related fees will be defined soon and presented in the conference website. It will include a general introduction to thermography in the morning and specialized courses on various application fields given in parallel during the afternoon (non-destructive evaluation, thermo-fluid-dynamics, building, thermomechanics...).

Summer course on thermomechanics

A summer-course (given in French) on thermography and thermomechanics of materials will take place from June 30 to July 4. The website will be opened and related to the QIRT conference site in October 2013.

Technical Visits

A lot of research teams are using IR thermography on the Bordeaux University Campus and will be opened for visits.

Student Award

Striving to stimulate young researchers, the organizing committee will award the best conference contribution presented and authored only by students.

Conference fees (VAT included)

Regular participants

- Early rate (deadline: May 20, 2014): (550 €)
- Late rate (deadline: June 27, 2014): (650 €)
- Desk registration rate: (800 €)

Students

- Early rate (deadline: May 20, 2014): (350€)
- Late rate (deadline: June 27, 2014): (450 €)

Fee covers: Book of abstracts, 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 QIRT Journal for 2 years** (standard personal subscription rate 100 €/year).

Accompanying persons

- Rate (deadline: June 27, 2014): (120€)

This amount includes the Welcome reception and Conference dinner.

Venue

QIRT 2014 will be held at the Ecole Nationale des Arts et Métiers located in the campus of the Bordeaux University, at 20 min by tram from the historic center of the City. Bordeaux is listed to the **UNESCO world heritage**. The city is exemplary thanks to the unity of its classical and neoclassical architecture (see www.bordeaux-tourisme.com).

A list of hotels will be given in the conference website. Booking of hotel is not assumed by the conference organization. For students only, low cost accommodations can be booked on the Bordeaux University campus.

For further information and updates please visit the site: QIRT2014.scientific-event.com or contact the organizing committee at: QIRT2014@scientific-event.com



QIRT 2014