



Welcome to 5th QIRT-Asia 2025 in Harbin, China

Quantitative Infrared Thermography (QIRT) conference is a biannual international conference, in which Infrared Thermography (IRT) specialists from industries and academia discuss and present their current interests and novel developments.

Since 1992, QIRT conferences have been held in Paris (1992), Sorrento (1994), Stuttgart (1996), Lodz (1998), Reims (2000), Dubrovnik (2002), Brussels (2004), Padova (2006), Krakow (2008), Quebec City (2010), Naples (2012), Bordeaux (2014), Gdansk (2016) and Berlin (2018). Since 2015, due to the growing QIRT community, a sister conference series, QIRT-Asia, was established. Being held in 2015 in Chennai (India), 2017 in Daejeon (Korea), 2019 in Tokyo (Japan) and 2023 in Abu Dhabi (UAE). All conference proceedings are available through the QIRT Conference Open Archives at www.qirt.org.

The Fifth Asian Quantitative Infrared Thermography Conference (QIRT-Asia 2025) will be held July 14 - 18, 2025, in Harbin, China. This event cordially invites leading researchers and practitioners in QIRT-Asia 2025.

Over recent years, QIRT has evolved into an interdisciplinary field, expanding its applications across diverse scientific and technological domains and driving innovation in multiple sectors. It is anticipated that the scientific and technical discussions in Harbin will contribute meaningfully to your research domains.

We eagerly await your participation in Harbin for QIRT-Asia 2025, where cutting-edge science meets international academic excellence.

Prof. Junyan Liu

Chairman

QIRT-Asia Steering Committee

Full professor at Harbin Institute of Technology, China



Host organization:

Quantitative Infrared Thermography (QIRT)

Organization:

Chinese Mechanical Engineering Society

Harbin Institute of Technology

Co-organization:

University of Electronic Science and Technology of China

Hunan University

China University of Petroleum, Beijing

Heilongjiang University of Science and Technology

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Harbin, located in the northeast of China, the provincial capital of Heilongjiang Province, a sub-provincial city in China, is the center of politics, economy and culture in Northeast China. Its special historical course and geographical location have created an exotic beautiful city, Harbin, which has not only brought together the history and culture of northern ethnic minorities but also integrated Chinese and foreign cultures. It is a famous historical and cultural city and tourist city in China, also known as "the Ice City", "Oriental Moscow" and "Oriental Paris". The whole city covers an area of 53,100m² with a ten million population. It has 45 ethnic minorities, bringing a variety of religious cultures together, making it the only city featuring the co-existence of Buddhism, Taoism, Christianity, Catholicism, Islam and Orthodox Christianity in China.

It is served by a modern airport (Taiping International Airport, HRB) and railway stations (Harbin Railway Station and Harbin West Railway Station), which are linked to the city center by metro and buses lines.





QIRT-Asia 2025 will cover, but will not be 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 systems.
- Calibration and characterization of infrared cameras and related topics like certification, standardization, validation, emissivity determination, absorption in media, translucent media, spurious radiations, three dimensionality of observed objects.
- Characterization of optical and further heat sources for active thermography
- Thermal effects induced e.g. by electromagnetic fields, elastic waves or mechanical stresses.
- Analytical and numerical modeling, data reduction and image processing related to infrared thermography.
- Application of infrared thermography to radiometry, thermometry, and physical parameters identification and quantification, in all fields: fluid mechanics, solid mechanics, structures and material sciences, non-destructive evaluations, electromagnetism, medicine and biomedical sciences, chemistry and earth Sciences, semiconductors and photovoltaics, remote sensing, environment monitoring, industrial processes and other.
- Basic instrumentations, device, in relation with Infrared imaging.
- Infrared spectroscopy, including the imaging.
- Novel non-destructive testing methods

◆ QIRT-Asia 2025 Contacts



- E-mail address: qirtasia2025@163.com
- Website: <http://www.qirtasia2025.com/>

◆ Important Dates

- Start date: 2025-07-14
- End date: 2025-07-18
- Abstract registration deadline: 2025-07-05
- Submission deadline: 2025-07-05

◆ Registration Fee

The registration fee can be paid by either USD or CNY

Registration type	Early-bird rate (Not later than Mar. 31,2025)	Regular rate (after Apr. 1,2025)
Regular	500 USD / 2900 CNY	700 USD / 5000 CNY
Student	300 USD / 2200 CNY	500 USD / 3600 CNY

QIRT has entrusted Harbin Mancheng Conference Service Co., Ltd. to collect registration fees and issue invoices for this conference. Participants are responsible for their own transportation, meals and accommodation.

◆ Venue

Steigenberger Harbin, Harbin, China

