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Organising Committee

Steffi Dehlau, DGZfP, DE
 Matthias Purschke, DGZfP, DE
 Christiane Maierhofer, BAM, DE
 Rainer Krankenhagen, BAM, DE
 Mathias Ziegler, BAM, DE
 Claudia Behm, BAM, DE

QIRT Short Courses

In addition to the main technical programme, the conference will be complemented by one-day short courses on Monday, 25 June 2018, taking place in the new conference center at BAM in Berlin-Adlershof.

Scheduled topics of short courses

- Non-destructive testing using active thermography
- Non-destructive testing using lock-in thermography
- Passive and active thermography in civil engineering
- Thermal problems in fluid dynamics
- Analytical solutions for passive and active thermography

Website

The www.qirt2018.de website has been prepared for the conference. All news and changes will result in an update of this page.

Fees

Early bird – until 31 March 2018	720.00 €*
from 1 April 2018	800.00 €*
Students	350.00 €*
QIRT Short Courses	200.00 €

*including all conference activities, conference dinner, lunch and refreshments

Cancellation

by 14 May 2018: 50 % of participation fee
 from 15 May 2018: no refund possible

Local Organisation**Conference Secretariat**

Ms. Steffi Dehlau | German Society for Non-Destructive Testing (DGZfP) | Max-Planck-Str. 6 | 12489 Berlin | Germany
 Phone: +49 30 67807-120 | Fax: +49 30 67807-129
 E-mail: tagungen@dgzfp.de

Local Programme Organiser

Dr. Christiane Maierhofer
 Federal Institute for Materials
 Research and Testing (BAM)
 Unter den Eichen 87
 12205 Berlin | Germany
 E-mail: christiane.maierhofer@bam.de

Venue

H4 Hotel Berlin Alexanderplatz
 Karl-Liebknecht-Str. 32
 10178 Berlin | Germany

Hotel Reservation

We have special conditions in different hotels.
 Information and booking forms please find at the conference website.
 For inexpensive accommodations please check
www.german.hostelworld.com.



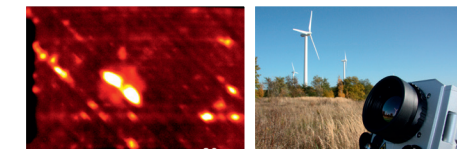
GERMAN
 SOCIETY FOR
 NON-DESTRUCTIV
 TESTING



**Deadline extended
 until 31-12-2017!**

FIRST ANNOUNCEMENT CALL FOR PAPERS

14th Quantitative InfraRed Thermography Conference



QIRT 2018

25 – 29 June 2018 in Berlin, Germany

We cordially invite all experts, users, scientists, young researchers and students being active or interested in the field of quantitative thermography to attend the 14th Quantitative Infrared Thermography Conference (QIRT 2018). The conference takes place in the middle of Berlin, close to historical centres belonging to the UNESCO world heritage and within one of Europe's largest regions of science.

This year, the conference is organised by the Federal Institute for Materials Research and Testing (BAM) and the German Society for Non-destructive Testing (DGZfP). The organisers are strongly supported by the Steering Committee of the QIRT community, by the International Scientific Committee and by the Organising Committee. The conference will be complemented by QIRT Short Courses, by an exhibition where the newest infrared thermography equipment will be presented and by a social programme.

We are looking forward to your interesting and innovative contributions, which will contribute to scientific and technical presentations, posters and fruitful discussions.



Dr. Christiane Maierhofer
Federal Institute for Materials
Research and Testing (BAM)



Dr.-Ing. Matthias Purschke
German Society for
Non-Destructive Testing

Exhibition

A vendor exhibition will be conducted to complement the technical presentations.

The price for 1 standard booth of 6 m² (incl. 1 table, 2 chairs, standard plug, W-LAN, 1 poster wall (on request)) is 1,800 € plus Value Added Tax (VAT).

For each booth **one conference ticket** with full conference participation will be provided.

The number of booths is limited. They will be assigned on a first come, first serve basis.

Book your booth by 15 May 2018 via www.qirt2018.de.

Scope

The biannual Quantitative InfraRed Thermography (QIRT) Conference is a meeting of the scientific and industrial community interested and actively working in research, application and technology related to infrared thermography.

All conference topics are intended to quantitative results comprising temperature values as well as further parameters on the tested materials and structures. The latter ones are usually obtained through active thermography, e.g. by exploiting non-stationary heat transfer processes activated by additional heat sources or by considering wavelength dependent effects.

Passive and active thermography methods and technologies are spread now along a multitude of areas of applications, which all profit from each other.

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 characterisation of infrared cameras and related topics like certification, standardisation, validation, emissivity determination, absorption in media, translucent media, spurious radiations, three dimensionality of observed objects
- Characterisation of optical and further heat sources for active thermography
- 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, electro-magnetism, medicine and biomedical sciences, remote sensing, environment monitoring, industrial processes and other.

Key Dates

Deadline for abstract submission:	31 December 2017
Acceptance notification:	February 2018
Deadline for booth reservation:	15 May 2018
Deadline for paper submission:	31 March 2018
Deadline for registration:	27 May 2018

Submission Guidelines

You are invited to submit abstracts in accordance with the following guidelines:

- Authors may register more than one paper.
- English being the conference language, the contributions must be submitted in English. Translation into other languages will not be provided.
- All **contributions** must be submitted online at: www.qirt2018.de by **31 December 2017**. Please submit a short abstract of 100 words **and** a two page extended abstract formatted according to the template which can be found on the conference website.
- Authors will be informed about the acceptance of their contributions in **February 2018**.
- Authors whose paper was accepted must **register and pay** the registration fee before **15 March 2018**. The registration is binding.
- Registrations of papers will only be considered if they are submitted together with all relevant data and the abstract.
- The **full paper** (in English) must be received by DGZfP as an electronic file by **31 March 2018**.

Publication of Best Papers

After the conference, all papers will be evaluated by the QIRT Committees and the best papers will be published in the QIRT Journal.

These papers should not already be published in any conference proceedings or journals and the work should be original and new. A peer review process by independent, anonymous expert referees is performed.

Student Award

The best student paper will be honoured with the Student Award. During abstract submission you can choose if your abstract is suitable for the student award.

The presenting student must be enrolled at a university and the presented work must be developed within their bachelor, master or doctoral thesis. Only one submission per student candidate is accepted into the competition.

Grinzato Award

The scientific paper will be honoured by the Grinzato Award. The nominees for the Grinzato Award will be announced by the steering committee according to the rating of the submitted abstracts.