

2022

4<sup>th</sup>-8<sup>th</sup> July 2022

16th QIRT Conference in Paris, France

*Venue:* FIAP Jean Monnet  
30 Rue Cabanis  
75014 Paris, France

Further information on pages 21 to 22

8<sup>th</sup> – 10<sup>th</sup> August 2022

16<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT 2022) at the Anantara Grand Hotel Krasnapolsky, Amsterdam, Netherlands.

The Organizing Committee of the International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT) and the Editorial Board of Applied Thermal Engineering (ATE) are delighted to announce that we have established a partnership, since 2021. HEFAT will form the main forum for the board, authors, reviewers, and guests of ATE from all over the world, to meet and exchange ideas in overlapping research, innovation, and development areas. The HEFAT-ATE conference will form a regular opportunity for the Editorial Board of ATE to have its board meetings and allow authors and presenters the opportunity to meet both the board and representatives of the publisher, Elsevier.

From the HEFAT-ATE 2021 conference we have selected 103 papers to be considered to be published in a special issue of the journal Applied Thermal Engineering. For this HEFAT-ATE 2022 conference good papers that fall within the scope of the journal will again be selected to be considered to be published within a special issue of ATE.

The conference is co-sponsored by the International Centre for Heat and Mass Transfer (ICHMT) and the American Society of Thermal and Fluids Engineering (ASTFE).

Global COVID-19 circumstances and related restrictions may necessitate the move to a purely virtual format at a later stage. We will communicate this in advance and accommodate registrations accordingly.

*Conference Website:* <https://hefat2022.org>

*Submission & Review Portal:*  
<https://hefat2022.org/registration>

**Important Dates:**

Monday, 28 February 2022:  
Deadline for submission of abstracts

Thursday, 31 March 2022:  
Deadline for submission of full papers



## COMMITTEES

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O. Riou (UPEC)  
T. Toullier (UGE)

### Qirt Short courses

In addition to the main technical program, the conference will be complemented by one-day short courses on Monday, 4<sup>th</sup> July 2022, taking place in the conference center at FIAP.

## GENERAL INFORMATION

### Website

The <https://qirt2022.sciencesconf.org/> website has been prepared for the conference.  
All news and updates will appear on this page.

### Fees (VAT included)

Regular Full - Early bird:  
until 31<sup>st</sup> May 2022: 600.00 €\*  
from 1<sup>st</sup> June 2022: 700.00 €\*  
Students :  
300.00 €\* (Early Bird)  
350.00€\* (Full from 1<sup>st</sup> June 2022)  
QIRT Short Courses: 160.00 €  
\*including all conference activities,  
conference dinner, lunch and refreshments

### Cancelation

by 31<sup>st</sup> May 2022: 50 % of participation fee  
from 15<sup>th</sup> June 2022: no refund possible

### Local Organisation

#### Conference Secretariat

Ms. Edith Blin | Inria | France  
E-mail: [edith.blin@inria.fr](mailto:edith.blin@inria.fr)

#### Local Programme Organiser

Dr. Jean Dumoulin | Université Gustave Eiffel | France  
E-mail: [jean.dumoulin@univ-eiffel.fr](mailto:jean.dumoulin@univ-eiffel.fr)

### Venue

FIAP Jean Monnet  
30 Rue Cabanis  
75014 Paris | France

### Hotel Reservation

We will arrange special conditions in different hotels.  
Information and booking informations will be put at the conference website.  
For inexpensive accommodations, a specific arrangement for rooms will be proposed with FIAP Jean Monnet. Informations will be put at the conference website.



In partnership with



**THIRD ANNOUNCEMENT**

CALL FOR PAPERS

**QIRT'2022**

**16th Quantitative InfraRed  
Thermography conference**



4<sup>th</sup> – 8<sup>th</sup> July 2022 in Paris, France

**New dates for abstract  
submission & acceptance**

## AIMS and CONTENTS

We cordially invite all experts, users, scientists, young researchers and students being active or interested in the field of quantitative thermography to attend the 16th Quantitative InfraRed Thermography Conference (QIRT'2022). The conference will take place in Paris, at FIAP Jean Monet, close to historical centres and public transportation systems.

This year, the conference is organised by the University Gustave Eiffel (UGE), University Paris-Est Créteil (UPEC) and the National Institute for Research in Digital Science and Technology (Inria). The organisers are strongly supported by the Steering Committee of the QIRT community, by the International Scientific Committee and by the Local 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 program.

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

### *On behalf of the Local Organizing Committee*

*Dr. Jean Dumoulin & Dr. Laurent Mevel & Pr. Laurent Ibos*



### Exhibition

A vendor exhibition will complement the technical presentations.

The price for 1 standard booth of 6 m<sup>2</sup> (incl. 1 table, 2 chairs, standard plug, W-LAN, 1 poster wall (on request)) is **1,500 € 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 2022

via <https://qirt2022.sciencesconf.org/>.

## STRUCTURE

### 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 nonstationary 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, signal and image processing, artificial intelligence 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, remote sensing, environment monitoring, industrial processes, multiscale, multispectral and other.

### Key Dates for authors

Deadline for abstract submission: **21 February 2022**

Acceptance notification: ~~February 2022~~ **7 March 2022**

Deadline for booth reservation: 15 May 2022

Deadline for full paper submission: 31 May 2022

Deadline for author on-line registration : 15<sup>th</sup> June 2022

**New dates**

## CALL FOR PAPERS

### 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: <https://qirt2022.sciencesconf.org/> by **21 February 2022**.

Please submit a short abstract of 100 words within 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 by **7 March 2022**.
- ✓ Authors whose paper was accepted must register and pay the registration fee before 15<sup>th</sup> June 2022. 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 QIRT'2022 organizers as an electronic file by 31 May 2022.

### 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 will be 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.