



## **SECOND ANNOUNCEMENT AND CALL FOR PAPERS**

### **The 10<sup>th</sup> International Symposium on Radiative Transfer, RAD-23**

Grand Hotel Palace, Thessaloniki, Greece

12 – 16 June 2023

For further information, see: <http://www.ichmt.org/rad-23>

The 10<sup>th</sup> International Symposium on Radiative Transfer (RAD-23) will be held in the Grand Palace Hotel in Thessaloniki, Greece in June 12-16, 2023 (with registration open on June 11). RAD-23 is built on the success of nine previous Radiation Symposia held in Kusadasi, 1995, 1997, in Antalya, 2001, in Istanbul, 2004, in Bodrum, 2007, in Antalya, 2010, in Kusadasi, 2013, in Cappadocia, 2016 and in Athens, 2019.

As before, the main objective of the Symposium is to bring together scientists and engineers involved in radiative transfer research and to provide a relaxed atmosphere for in-depth discussion of theory, experiments, and applications.

### **AWARDS**

The Symposium will also serve as the formal presentation venue for the 2023 Elsevier Poynting Award on Radiative Transfer and Viskanta Young Scientist Award.

### **CONFERENCE TOPICS**

A wide range of topics related to classical and emerging areas of radiative transfer and their applications will be covered, including:

- Novel numerical, analytical and hybrid techniques for the solution of radiation transfer equation in multidimensional and complex geometries.
- Radiative transfer in optically complex media (anisotropic properties, graded index, etc.)
- Advanced radiative transfer models for industrial and combustion systems including furnaces, gas turbines, engines, clean combustion and novel propulsion concepts
- Radiative properties of gases, particles, agglomerates and non-homogenous structures;
- Interaction of radiation with conduction, convection, turbulence, chemical kinetics, and soot formation.
- Inverse solution techniques in radiation applications.
- Innovative application of radiative transfer for improved manufacturing processes.
- Fundamentals and applications of radiative transfer to remote sensing.
- Radiative transfer in atmospheres, oceans and climate-related problems

- Biomedical applications of radiation transfer
- Nano- and micro-scale radiative transfer.
- Radiative transfer-based diagnostic systems.

## PRESENTATIONS / PUBLICATIONS

Renowned scientists in the field of thermal radiation will deliver four topical lectures.

- Zhuomin Zhang  
(Dedication lecture)  
*Erskine Love, Jr. Professor, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta, GA, USA.*
- Sunil Kumar  
(Dedication lecture)  
*Professor of Mechanical Engineering at New York University, New York, NY, USA.*
- Jean-Louis Dufresne  
(Keynote lecture)  
*Senior Scientist, CNRS, Laboratoire de Météorologie Dynamique, Ecole Polytechnique, France.*
- Sophia Haussener  
(Keynote lecture)  
*Associate Professor, Laboratory of Renewable Energy Science and Engineering, Laboratory of Renewable Energy Science and Engineering, EPFL, Lausanne, Switzerland.*

The Symposium will also have both stand-up presentations of communication papers and poster presentations.

### Oral presentations

Communication texts must have a minimum of 5 pages and a maximum of 8 pages. They must clearly state the purpose, the findings, and the originality of their contribution. Acceptance for oral presentations will be based on peer review of these communications. Communications accepted for presentation will be published by Begell House, Inc., in a proceedings volume and will be available in the form of flash memory disks to the participants at the registration.

After the conference, authors of contributed papers will have the opportunity to submit an improved/enhanced version of their work, still based on their presentation content. These submissions will be considered for publication in a special issue of the **Journal of Quantitative Spectroscopy and Radiative Transfer**, after undergoing a new review process.

### Poster presentation

The Symposium will also include poster sessions to allow researchers to discuss their most recent work in a relaxed atmosphere. Selection for the poster session will be based on one-page abstracts only, and no further text is required for the posters.

## Preparation and submission of papers

All authors are expected to send their communication papers or abstracts (for posters) in a camera-ready pdf format. The guidelines for preparing camera-ready papers can be found on the Web pages of the Symposium, in the "Guide for Authors" section: <http://www.ichmt.org/rad-23>. Communication papers without an author registered and attending the Symposium will not be included in the proceedings.

## **SCHEDULE OF DATES**

### Communication Papers:

<b>February 15, 2023</b>	<b>(extended deadline)</b> Electronic copies of manuscripts, 5 to 8 pages, to be sent to B. W. Webb
April 1, 2023	Notification of acceptance
April 15, 2023	Final, camera-ready manuscripts (in pdf and MS Word document) to B. W. Webb
May 8, 2023	Registration fee and hotel room charges to ICHMT Secretariat

### Posters:

April 1, 2023	Electronic copies of 1-page Abstracts to B. W. Webb
April 15, 2023	Notification of acceptance
May 1, 2023	Final, camera-ready extended abstracts in pdf and doc format (to ICHMT Secretariat)
May 8, 2023	Registration fee and hotel room charges (to ICHMT Secretariat)

## **WEBSITE AND CORRESPONDENCE**

For full information about the Symposium, see: <http://www.ichmt.org/rad-23>

### Symposium Co-Chairmen:

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