

# IRMMW-THz 2019

## PARIS



1-6  
SEPTEMBER  
2019



44<sup>th</sup> INTERNATIONAL  
CONFERENCE  
ON INFRARED, MILLIMETER,  
AND TERAHERTZ WAVES

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MAISON DE LA CHIMIE, PARIS 7<sup>e</sup>

[www.irmmw-thz2019.org](http://www.irmmw-thz2019.org)

Looking forward to seeing you in Paris!

The IRMMW-THz conference alternates between Asia, Europe and America on a continuous three year cycle. In 2019, the conference returns to Europe and will be held in Paris, France, from September 1st to 6th. The venue is the Maison de la Chimie Conference Center, in the heart of Paris.

Given the diversity of the topics, comprising fundamental and applied research, and in view of the variety of applications (communications, security, energy, astrophysics, medicine,...) the conference gathers several communities of physicists, academics and industrials, who meet in this occasion each year to review the state of the art and determine the axes of future works and future collaborations.

The conference also comprises a large exhibition presenting and highlighting the latest products and innovations in the millimetre, terahertz and infrared spectral region.

## CALL FOR ABSTRACTS

### Topics

#### 1. Basic physics

- 1.1. Spectroscopy of gases
- 1.2. Spectroscopy of the solid state
- 1.3. Ultrafast phenomena
- 1.4. High field THz generation and nonlinear physics
- 1.5. 2D materials

#### 2. Electronics

- 2.1. Electron devices
- 2.2. Nano and quantum devices
- 2.3. MMW components and systems

#### 3. Optoelectronics

- 3.1. Laser driven sources and detectors
- 3.2. Time-domain systems
- 3.3. QCL

#### 4. Materials

- 4.1. Materials properties
- 4.2. Metamaterials, plasmonics and artificial materials

#### 5. Systems

- 5.1. Components
- 5.2. Near-field techniques and microscopy
- 5.3. Imaging and remote sensing: components and systems
- 5.4. Metrology

#### 6. Large facilities and high power equipment

- 6.1. Tubes, gyrotrons, amplifiers
- 6.2. FEL and synchrotrons
- 6.3. Plasma diagnostics

#### 7. Applications

- 7.1. Industry
- 7.2. Defense and security
- 7.3. Biology and Medicine
- 7.4. Telecoms and radars

#### 8. Astronomy, Astrophysics and Atmospheric Science

- 8.1. Components and devices for mm-wave astronomy
- 8.2. Monitoring the atmosphere

### Committees

#### Conference Co-Chairs

Carlo SIRTORI - Ecole Normale Supérieure, France

Jérôme TIGNON - Sorbonne University / Ecole Normale Supérieure, France

#### Technical Program Committee

Technical Program Chairs: Jean-Louis COUTAZ - University of Savoie, France

Juliette MANGENEY - CNRS / Ecole Normale Supérieure, France

#### Local Organizing Committee

Jean LEOTIN - Toulouse University

Jean-François LAMPIN - CNRS / Lille University

Angela VASANELLI - Paris-Diderot University / ENS

Wojciech KNAP - CNRS / Montpellier University

Sukhdeep DHILLON - CNRS / Ecole Normale Sup.

Yanko TODOROV - CNRS / Ecole Normale Sup.

Conference General Secretary: ellipse&co

Gaël MOURET - Littoral Côte d'Opale University

Patrick MOUNAIX - CNRS / Bordeaux University

Emilien PEYTAVIT - CNRS / Lille University

Jean CHAZELAS - Thales

Daniel DOLFI - Thales

Frédéric TEPPE - Montpellier University

### Important dates

One-page abstract submission opening: January 2019

Abstract submission deadline: 18 March 2019

Notification of acceptance: 24 May 2019

Early registration deadline: 3 June 2019

Extended abstract submission deadline: 30 June 2019

Conference: 1-6 September 2019



Conference website: [www.irmmw-thz2019.org](http://www.irmmw-thz2019.org)

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