

# ITBMS 2018

11-14 June 2018 – Banyuls-sur-mer, France



[itbms.onera.fr](http://itbms.onera.fr)



The **13<sup>th</sup> international ITBMS workshop** is a technical conference showcasing the latest researches in the field of optical signature as well as emerging remote-sensing and data collection tools and technologies. Submission of research papers is encouraged to start discussions within the attendees.

This international scientific forum fosters intensive exchanges on the current developments and results in optical modeling, simulation and experiments. It encourages cooperation between international groups actively engaged in their field of expertise.

The workshop is co-organized by ONERA and Fraunhofer IOSB in close cooperation with companies having highest expertise in the field of **IR modeling** and **simulation**. It is open to people from the research and development community active in the field to end-users and industry. Keynote addresses will be delivered to set the underlying tone and summarize the core message. These speeches will be done by specialists from laboratories and international companies recognized for their expertise in the field. Software training sessions are also planned.

Get connected with hundreds of professionals and researchers in a prestigious location!

## TOPICS

Contributions are solicited in subjects ranging from basic signature research to applications in system design, optimization and evaluation.

- Data, techniques, models, and validation of IR signatures of land, sea and air targets and backgrounds, and of targets in backgrounds
- Extension to infrared polarization hyperspectral and active signatures
- Optical properties of complex surfaces
- Models validation and metrics
- IR signature management models
- Modeling and simulation of IR clutter (soil, maritime, atmospheric)
- Radiative transfer, propagation models and optical data sets
- Impact of climatic conditions on signatures
- Active / Laser imaging systems

Due to the localization of the workshop, a special session will be devoted to optical signatures and related technologies in a **maritime context**.

## VENUE

ITBMS 2018 will take place at the Oceanographic Observatory in Banyuls-sur-mer, France. The Côte Vermeille (meaning "vermilion coast") is a French area near the border with Spain. The Côte Vermeille stretches from Argelès-sur-Mer to the border village of Cerbère. The towns of Collioure, Port-Vendres and Banyuls-sur-mer are nested along a 20 km stretch of beaches, small bays, creeks and coves.



A village, a beach and a port hidden away in a fold of the Pyrenees, that's what you will find at the foot of Cap Béar. **Banyuls-sur-mer** is the last stop before Spain and is surrounded by quays that run alongside the Allées Maillol, where artists have set up their studios...

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**ABSTRACT SUBMISSION**

The abstract must be written in English (300 words maximum) and submitted electronically in Word format. The template file is shared on the website. It would include the title, names and affiliation of authors and the contact author. The abstract will be send to [itbms@onera.fr](mailto:itbms@onera.fr)

**Abstract submission deadline**

~~15 March 2018~~ **Extended to 2 April 2018**

**NOTIFICATION OF ACCEPTANCE**

The acceptance of the oral presentation will be notified to the author.

**FULL PAPER SUBMISSION**

The full paper must be written in English. It should be submitted by email at [itbms@onera.fr](mailto:itbms@onera.fr) before **30 April 2018**. The maximum size of the file is 3 Mb in Word format. The template file can be downloaded on the website.

**ORAL PRESENTATIONS**

Papers accepted for presentation will be included in the Proceedings of the Workshop if the paper is presented by one of the authors. The time slot allocated to each oral presentation is 25 minutes including questions. The working language will be English.

**REGISTRATION FEES**

Fees (20% VAT taxes) include the participation to all sessions, proceedings, lunches, coffee breaks and a conference dinner

Early registration 350.00 € / **420 € (20% taxes included)**

*until 15 April 2018*

Late registration 400.00 € / **480 € (20% taxes included)**

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THE FRENCH AEROSPACE LAB

