



# 8<sup>th</sup> International School of Sound and Light - SEL2022

 September 12<sup>th</sup> - 23<sup>rd</sup>

Saint Pierre d'Oléron - France

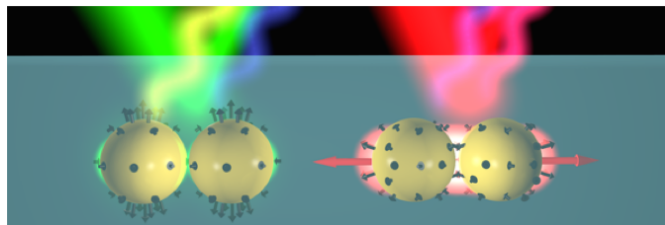
## **Coupling light to sound waves: from nanoparticles to cells, from time-resolved to frequency-resolved spectroscopy.**

In September, we look forward to seeing you on the Ile d'Oléron for the **8th edition of the Son et Lumière school** that is aimed at students (masters, doctoral students<sup>1</sup>, post-doctoral students) and researchers wishing to deepen and broaden their knowledge in the field of the interaction between sound and light to characterize and understand materials.

**Registration** is open until 20 July 2022 [following this link](#)

### **Topics presented:**

- Introduction to light matter interaction
- Nanoparticles vibrations
- Ultrafast spectroscopy
- Nanothermy
- Nanomechanics
- Pionics
- Heat transfer
- Quantum opto-mechanics
- Brillouin spectroscopy
- SERS
- ....



**An updated list of invited speakers** can be found by following this link: [invited speakers](#)

### **Organizing committee:**

Bertrand Audoin - I2M, Université de Bordeaux, France  
Laurent Belliard - Sorbonne Université, France  
Jean-Charles Beugnot - FEMTO-ST, France  
Philippe Djemia - Université Sorbonne Paris Nord, France  
Kareem Elsayad - Medical University of Vienna, Austria  
Daniele Fioretto - Università degli Studi di Perugia, Italy  
Jérémy Margueritat - ILM, UCBL, France

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<sup>1</sup> For thesis students, the school may count as part of the mandatory scientific training hours depending on their doctoral school.

**Sponsors:** various public and private sponsors are listed in the ["Sponsors" page](#)