



INTERNATIONAL SCHOOL IN SONOCHEMISTRY ESS – GDR CAVITATION

Organized by European Society of Sonochemistry (ESS) and French GDR CAVITATION at Marcoule Institute for Separation Chemistry (ICSM), France

Information: <https://gdr-cavitation.cnrs.fr/> and <https://www.icsm.fr/>

From June 7th to June 9th, 2023



33 km



- ✓ The school is designed for young researchers, PhD students and post-doctorates
- ✓ The main objective of this school is the practical training works in the laboratories of ICSM
- ✓ Lectures will provide fundamental knowledge on piezo transducers, acoustic cavitation, acoustic noise spectra, and sonochemical dosimetry

➤ **Limited to 20 participants**

Registration fees: PhD students and post-doctorates – 100 €, academic researchers – 150 €, industrials – 300 €

Contact for registration: Sergey Nikitenko (serguei.nikitenko@cea.fr) and Jean-Yves Hihn (jean-yves.hihn@univ-fcomte.fr)

PROGRAMME

Day 1 Wednesday, June 7th

10:30 Pick-up in Avignon

Hotel IBIS Center Train Station - 42 bd St ROCH – 84100 Avignon

Minibuses transfer to Marcoule – ICSM (Minibuses booked by ICSM)

11:30 Registration and lunch at ICSM

13:30 Introduction by ESS and GDR and program presentation

14:00 Lectures

- Bubble dynamics and cavitation (RAPSODEE - EMT Albi)
- Piezo transducers and acoustic noise spectra (UTINAM - Besançon)
- Calorimetry and chemical dosimetry (ICSM - Marcoule)

17:00 Presentation of practical training and formation of work groups

17:30 Transportation from ICSM to Avignon

19:30 Dinner in a restaurant in Avignon

Day 2 Thursday, June 8th

7:30 Pick-up in Avignon

Hotel IBIS Center Train Station - 42 bd St ROCH – 84100 Avignon

Minibuses transfer to Marcoule – ICSM

8:30 Reception of participants with coffee

8:45 Practical training (rotation on 4 different workshops)

Training works includes sonochemical dosimetry with Ti(IV) and I_3^- dosimetric systems, thermal probe characterization of delivered ultrasonic power, demonstration of the piezoelectric effect, characterization of cavitation with acoustic spectra from hydrophones

12:15 Lunch

13:15 Participants group photo in front of ICSM

14:00 Continuation of the practical training

16:30 Preliminary discussion of the results obtained during the practical works

17:00 Transfer from ICSM to Avignon

19:30 Dinner in a restaurant in Avignon

Day 3 Friday, June 9th

7:30 Pick-up in Avignon

Hotel IBIS Center Train Station - 42 bd St ROCH – 84100 Avignon

Minibuses transfer to Marcoule – ICSM

8:30 Reception of participants with coffee

9:00 Discussion about results of practical training – reports redaction

12:00 Concluding remarks and lunch at ICSM

14:00 Transfer from ICSM to Avignon

PRACTICAL INFORMATIONS

Hotels in Avignon intra muros

Hotel IBIS Center Train Station

<https://ibisavignoncentregare.com-hotel.com/en/>

Régina Boutique Hôtel

<https://www.hotelregina-avignon.fr/>

Hôtel IBIS Avignon Centre Pont de l'Europe

<https://all.accor.com/hotel/1362/index.fr.shtml>

Appart 'Hôtel Sainte-Marthe

<https://www.aparthotel-avignon.com/>

Hôtel IBIS budget Avignon Centre

https://all.accor.com/hotel/2603/index.fr.shtml?utm_campaign=seo+maps&utm_medium=seo+maps&utm_source=google+Maps

Map of Avignon Centre

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