



Sino-French Joint Workshop on Atmospheric Environment

第8届中法大气环境国际研讨会



PROGRAMME

BORDEAUX (FRANCE)
6 – 10 November 2024

<https://sfjw24.sciencesconf.org/>

WEDNESDAY 6TH NOVEMBER 2024

14h00 Welcome to Bordeaux

HOTEL Mercure Bordeaux Château Chartrons
81 cours Saint-Louis, Bordeaux

THURSDAY 7TH NOVEMBER 2024

Place: Espace Beaulieu, 145, rue Saint-Genès, Bordeaux

08h00-08h30 Registration and welcome

08h30-09h00 **Opening ceremony of the 8th Sino-French Joint Workshop on Atmospheric Environment**
Chairs: **Christian GEORGE, Yujing MU**

Prof. Eric VILLENAVE: *Université de Bordeaux*

Wahid MELLOUKI: *Université Mohammed VI Polytechnique*

Prof. Sheng CHEN: *Vice President of the Chinese Research Academy of Environmental Sciences/MEE of China*

Prof. Fahe CHAI : *Chief Scientist of the Chinese Research Academy of Environmental Sciences/MEE of China*

SESSION 1, CHAIRS : Wahid MELLOUKI, Hong LI

09h00-09h30 **Tong ZHU** Health Effects of Air Pollution and Climate Change

09h30-10h00 **Tao WANG** Atmospheric reactive halogens reshaped by the clean energy policy on the North China Plain

10h00-10h30 **Jianmin CHEN** Nitrogen-Containing Secondary Aerosol Formation by an on-line VACES

10h30-10h50 Coffee break

SESSION 2, CHAIRS: Véronique DAËLE, Yangang REN

10h50-11h20 **Zongbo SHI** Advancing Understanding of Atmospheric Sources and Processes through Machine Learning

11h20-11h40 **Min HU** Significant Changes in the Sources and Properties of BC-containing Particles with the Air Pollution Control in Beijing

11h40-12h00 **Jianzhen YU** An online instrument for assessing oxidative potential of ambient particulate matter via dithiothreitol assay

12h00-12h15 **Marc FADEL** How do different sources impact PM_{2.5} oxidative potential? Insights from four Eastern Mediterranean sites

12h15-14h00 Lunch & Group Photo

SESSION 3, CHAIRS : Eric VILLENAVE, Yanli ZHANG

14h00-14h20 **Xinming WANG** Atmospheric Organic nitrogen in the Pearl River Delta region: observations and chamber simulations

14h20-14h40 **Likun XUE** Marine formaldehyde and its impacts on secondary aerosols in the coastal atmosphere

14h40-14h55 **Rujin HUANG** Chemistry and optical properties of nitrogen-containing organic aerosols

14h55-15h10 **Jozef LENGYEL** Uptake and Reactions of Molecules on Hydrated Acid Clusters towards Understanding Aerosol Nucleation

15h10-15h25 **Shengrui TONG** The sources and impact on OH radicals of HONO in different atmospheric environment in China

15h25-16h00 Coffee break

SESSION 4, CHAIRS : Christian GEORGE, Lina WANG

16h00-16h30	Sophie SOBANSKA	Evaporation and hygroscopicity properties of single- particle models of SOA
16h30-16h50	Lin DU	Marine aerosol, a good model for multiphase chemistry in the troposphere
16h50-17h05	Liwu ZHANG	Significantly accelerated chemical reactions at the air-water interface of microdroplets
17h05-17h20	Shaojie SONG	Atmospheric Acidity and Interaction with Secondary Aerosols
17h35-17h50	Pengcheng WANG	Gas-phase Kinetics of Criegee Intermediates and their Hydroperoxide products: Expanding the Reactivity Database using a Novel Relative Rate Technique

18h00 Travel together (by Tram B) to Bordeaux Metropole City Hall

19h00 Official Ceremony in the frame of the 60TH Anniversary of Sino-French Relations

20h30 Dinner at the « Comptoir Cuisine » restaurant

FRIDAY 8TH NOVEMBER 2024

Place: Espace Beaulieu, 145, rue Saint-Genès, Bordeaux

08h30-09h00 Late registration and posters

SESSION 5, CHAIRS : Eric VILLENAVE, Lin DU

09h00-09h30	Thorsten HOFFMANN	Chemistry in Nanometer Particles: Laboratory Studies on Size-Resolved Chemistry of Organic Model Reactions
09h30-09h45	Lina WANG	Analysis of Particle Number Size Distribution in Diverse European Monitoring Stations
09h45-10h05	Emilie PERRAUDIN	LANDEX: a site to study BSOA formation and fate
10h05-10h20	Defeng ZHAO	Insights into the sources and formation of organic aerosol in Shanghai based on online molecular composition
10h20-10h35	Yang JIAO	Formation mechanism of H ₂ SO ₄ and its role in the NPF events observed in a sub-urban temperate forest

10h35-11h00 Coffee break and Poster Session

SESSION 6, CHAIRS: Emilie PERRAUDIN, Liwu ZHANG

11h00-11h20	Meigen ZHANG	Numerical analysis of aerosol direct and indirect effects on an extreme rainfall event over Beijing
11h20-11h35	Julien KAMMER	Organic aerosol chemical composition and volatility during ACROSS campaign at PRG urban site in Paris using a CHARON PTR-ToF-MS
11h35-11h50	Yanli ZHANG	Heatwave Induced Biogenic Volatile Organic Compounds and Their Impacts on Ozone and SOA Formation
11h50-12h05	Junteng WU	Continuous Variation Of VOCs In A Forest Conservation Area: The Pollution In Saint Paulo Influenced By Biogenic And Anthropogenic Emissions

12h05-13h45 Lunch and Posters Session

SESSION 7, CHAIRS : Sophie SOBANSKA, Likun XUE

13h45-14h05	Hongjun MAO	Non-exhaust particulate matter emissions from motor vehicles: current status, trends, and health implications
14h05-14h25	Lin WANG	Formation of Chlorinated Organic Compounds from Cl Atom-Initiated Reactions of Aromatics and Their Detection in Suburban Shanghai
14h25-14h40	Qi CHEN	Long-term changes of organic aerosol and the influence of aqueous processing in highly polluted urban environments
14h40-14h55	Yamina ALLOUCHE	A Comprehensive Study of Carbonaceous Species in PM2.5 and their Origins at an urban site in northern France
14h55-15h10	Shuangxi FANG	How about the representative of our atmospheric observations: A comparison at three sites in the megacity of Hangzhou, China
15h10-15h25	Damien BAZIN	Development, optimization and validation of automated volatile organic compound data analysis using an on-line thermal desorption gas chromatograph with dual detection and application to measurements in ambient air

15h25-15h40 Coffee break

SESSION 8, CHAIRS : Wahid MELLOUKI, Jianmin CHEN

15h40-16h00	Yinchang FENG	Development and Prospects of Source Apportionment Techniques for Air Pollution in China
16h00-16h20	Jian GAO	Experience and Implications in Air Pollution Prevention and Control in China
16h20-16h35	Xiaobing PANG	Unmanned aerial vehicles equipped with sensor packages to study spatiotemporal variations of air pollutants in industry parks
16h35-16h55	Shansi WANG	Current and future prediction of inter-provincial transport of ambient PM2.5 in China

16h55-17h15 **1-Minute poster presentation**

17h15-17h35 **Closing ceremony**

Dr Emilie Perraudin: Université de Bordeaux

Prof. Jianmin Chen: Executive Vice President of the Institute of Atmospheric Sciences, Fudan University

16h50- 19h00 Poster Session and Cocktail

20h00 Dinner at the « Café maritime » restaurant

SATURDAY 9TH NOVEMBER 2024

Visit of CNRS and University facilities

SUNDAY 10TH NOVEMBER 2024

Departure

Conference Venue



**The workshop will be held in at Espace Beaulieu (Bordeaux)
Address:145, rue Saint-Genès; Phone: +33 5 47 50 21 10**

Public Transportation

**Public transportation from the Mercure Hotel Bordeaux Château Chartrons
to the Conference place:**

Tram B – Bergonié or Saint Genès Stations

See details in the “Transportation” file

(also details of transports from the airport or train station to the Mercure Hotel)

Contact Information

Contact	Prof. Wahid Mellouki	Dr. Christian George	Prof. Eric Villenave
Tel.	+33-784729440	+33-611418724	+33-540006350
E-mail	wahid.mellouki@um6p.ma	christian.george@ ircelyon.univ-lyon1.fr	eric.villenave@ u-bordeaux.fr