

## IMPORTANT DATES

- September 2023:** Call for papers
- November 2023 :** Start of registration
- February 2024 :** Deadline for abstract submission
- March 2024 :** Notification of acceptance
- April 2024 :** Deadline for early bird registration
- May 2024 :** Symposium program
- July 10-12 2024:** Symposium
- September 2024 :** Full paper submission

## VENUE

The C1Chem symposium will take place in the Nouveau Siècle, a unique building complex in the heart of Lille. Nouveau Siècle is situated very close to the city center and principal attractions. It is located in 10-15 min walking distance to the train stations: Gare Lille Flandres and Gare Lille Europe.

## CHAIRS

**A.Y. Khodakov**

UCCS, CNRS, University of Lille, France

**V.V. Ordonsky**

UCCS, CNRS, University of Lille, France

## SECRETARIAT

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# C1Chem

## International Symposium



## CALL FOR PAPERS

July 10-12, 2024

Lille, France



**C1 Chem**

Satellite Conference of the  
18<sup>th</sup> International Congress on  
Catalysis



[www.C1Chem.org](http://www.C1Chem.org)

## INVITATION AND SCOPE

We cordially invite you to participate in C1Chem symposium "Catalytic Chemistry of C<sub>1</sub> Molecules" which will take place at Lille (France) from July 10<sup>th</sup> to 12<sup>th</sup>, 2024. The ongoing societal transition from fossil fuels to renewable energy sources requires development of energy-efficient, selective and waste-free catalytic processes for C<sub>1</sub> molecules, which occur under mild conditions.

The symposium is intended to offer an update of recent innovation in both fundamental and applied aspects of catalytic utilization of CO<sub>2</sub>, CO, methane, methanol, formaldehyde and formic acid. The symposium will emphasize catalyst design, thermocatalysis, homogeneous catalysis, heterogeneous catalysis, photocatalysis, electrocatalysis, catalyst characterization, modeling, kinetics, process design and intensification.

Contributions are solicited on the following topics:

- **CO<sub>2</sub> upgrading** (hydrogenation, reduction, CO<sub>2</sub> for oxidation/dehydrogenation, carbonates);
- Catalytic **valorization of methane** (methane coupling, partial oxidation, reforming);
- Methanol-mediated **hydrocarbon synthesis** from CO and CO<sub>2</sub>;
- **Fischer-Tropsch synthesis**;
- Synthesis of **methanol and dimethyl ether**;
- Synthesis of **synthetic natural gas** (SNG);
- Conversion of **methanol to hydrocarbons**.

## PROGRAM

The program of the C1Chem symposium includes 5 invited plenary lectures, 10 key-notes lectures, 50 oral presentations and poster sessions. The presentations will be selected on the basis of the 2-page abstract. The abstract submission information will be available on the symposium website in September 2023.

## CONFIRMED PLENARY SPEAKERS

**Xinhe Bao**, Dalian Institute of Chemical Physics, China

**Silvia Bordiga**, Torino University, Italy

**Jorge Gascon**, King Abdullah University of Science and Technology, Saudi Arabia

**Marc Koper**, Leiden University, The Netherlands

**Ye Wang**, Xiamen University, China

## PUBLICATION

After the symposium, authors of oral presentations and selected posters will be invited to submit full manuscripts to a special issue of **Catalysis Today**.

## SPONSORS

Sponsorship opportunities are available. Companies may act as general sponsors or support a specific activity. If you wish to sponsor the C1Chem symposium, please contact the Secretariat.

## SCIENTIFIC COMMITTEE

**Alexis T. Bell**, University of California at Berkeley, USA

**Jorge Gascon**, King Abdullah University of Science and Technology, Saudi Arabia

**Unni Olsbye**, University of Oslo, Norway

**Xiulian Pan**, Dalian Institute of Chemical Physics, China

**Noritatsu Tsubaki**, University of Toyama, Japan

**Marc Robert**, Université Paris-Cité, France

**Ye Wang**, Xiamen University, China

**Bert M. Weckhuysen**, University of Utrecht, The Netherlands