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# TEXTILE & CHEMISTRY EVOLUTION

New  
Generation of  
Textiles  
and  
Processes

**XXV<sup>th</sup> IFATCC**  
INTERNATIONAL CONGRESS

**27-29**

**APRIL 2021**  
ROUBAIX, FRANCE



**IFATCC (International Federation of Associations of Textile Chemists and Colourists) International congresses concern Chemistry applied to textiles:** fibre spinning, dyeing and finishing, and manufacturing of multi-functional textiles, for both conventional and high-performance textiles.

**Environmental planetary Challenges** require Innovation in **Chemistry and Textile**. It is becoming essential to reconsider the design and manufacturing of textiles. Eco designing is indeed required for textile functionalisation to limit environmental impacts.

**This [R]evolution is radically shaking up production methods and defining new technical and technological limits.**

Many companies have innovative solutions to offer in response to these expectations. Studies carried out in research labs are also essential in anticipating these changes, particularly in the field of clothing.

*For this reason over a three-day period, companies, experts, technical centres and research laboratories will discuss the evolution of textile chemistry to generate new fibres, innovative fabrics and sustainable processes, for revolutionising the textile businesses and the apparel market.*

#### **ORGANISATION**

**National Organisation Committee: ACIT** (Association of Textile Industry Chemists), France

**Scientific Committee:** Coordination

**Prof. Anne PERWUELZ and Dr. Usha MASSIKA BEHARY**, ENSAIT / GEMTEX, France

#### **CALL FOR PAPERS**

**Abstracts will be evaluated by the Scientific Committee.**

*Abstracts to be submitted on this website:* [www.ifatcc2021-roubaix-acit.fr](http://www.ifatcc2021-roubaix-acit.fr)

*Deadline for submission:* 25<sup>th</sup> November 2020

## **HIGH PERFORMANCE TEXTILES FOR TECHNICAL APPLICATIONS**

1. High performance fibers.
2. Multifunctional textiles and processes for high performance textiles.
3. Smart textiles : electronics, microfluidics, health, etc.
4. Fibers and textiles for environment protection: depollution, filtration, etc.

## **GREEN CHEMISTRY AND BIOTECHNOLOGY**

5. Biosourced fibers : manufacturing and treatments.
6. Biosourced functional molecules and auxiliaries.
7. New methods for dyeing and finishing.
8. Ecotechnologies: innovative processes with less environmental impacts.
9. Biotechnologies: enzymatic and bacterial treatments.

## **SUSTAINABILITY AND CIRCULARITY**

10. Chemicals and environment.
11. Textile recycling: chemistry and textile recycling.
12. Eco-design: new way of thinking (LCA, biomimetism, circular economy, etc.).

## **SMALL SCALE ON DEMAND PRODUCTION**

13. Digital printing: 2D-3D-4D printing.
14. Personalized production.
15. Local factories.

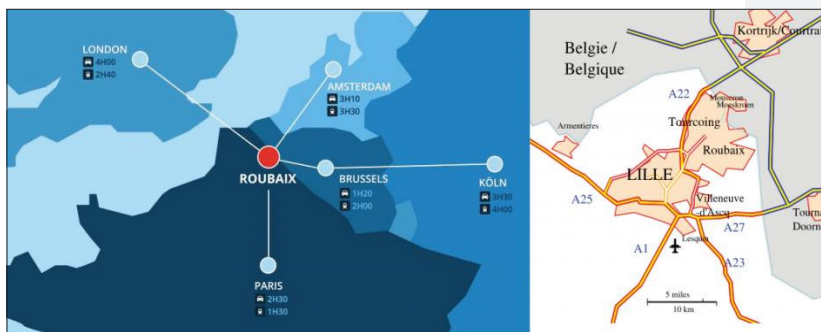
*A special programme for accompanying persons is planned for the 3 days.*

# HOW TO GET HERE

## LOCATION

ENSAIT - 2 Allée Louise et Victor Champier - 59056 Roubaix – France  
Roubaix is situated in the Lille Metropole (MEL) in the North of France.

## ACCESS



## ACCOMMODATION

There are several hotels close to the congress site in the centre of Roubaix: Mercure, Ibis, Campanile, B&B...

Hotels in Lille can be reached in 30 minutes, by metro.

## PRACTICAL INFORMATION & REGISTRATION

[www.ifatcc2021-roubaix-acit.fr](http://www.ifatcc2021-roubaix-acit.fr)