



# SWEDEN-FRANCE JOINT WORKSHOP ON SUSTAINABLE AND SAFE COMPOSITES OF THE FUTURE

Jointly organised by  
Luleå University of Technology, University of Lorraine and  
the French Institute in Sweden

**LULEÅ UNIVERSITY OF TECHNOLOGY, SWEDEN**  
**MAY 27 AND 28, 2024**



**UNIVERSITÉ  
DE LORRAINE**





## Sweden-France joint workshop on Sustainable and safe Composites of the Future

In Luleå (Sweden) - May 27 and 28, 2024

### Day 1: Luleå University of Technology, May 27th 2024

**12:00 - 13:00:** Welcome lunch

**13:00 - 15:00:** Luleå University of Technology tour and Lab visit

### Day 2: Luleå University of Technology, May 28th 2024

**08:00 - 08:15:** Reception by **Oisik Das** (Docent, PhD, Associate Professor at Luleå University of Technology - LTU) and **Henri Vahabi** (Associate Professor at University of Lorraine - UL)

**08:15 - 08:45:** Welcome by **Charlotta Jonasson**, the Dean of Department of Civil, Environmental and Natural Resources Engineering (LTU) and by **Valérie Lemarquand**, the French Scientific and Higher Education Attaché (French Embassy in Sweden)

**08:45 - 09:00:** Opening by **Susanne Nilsson**, French Honorary Consul in Luleå

**09:00 - 09:30:** **Dr. Jean Jacques Flat** (Arkema) “Development of High Performances Biomaterials in ARKEMA”

**09:30 - 10:00:** FIKA

**10:00 - 10:30:** **Professor Mikael Hedenqvist** (KTH Royal Institute of Technology) “Sustainable wheat gluten composites”

**10:30 - 11:00:** **Professor Nicolas Brosse** (University of Lorraine) “Steam explosion: a versatile pretreatment process for the design of sustainable materials”

**11:00 - 11:30:** **Docent, PhD, Associate Professor Oisik Das** (LTU) “Fire behaviour of biochar and its composites”

**11:30 - 12:00:** **Professor Anne-Lise Beaucour** (University of Cergy) “Influence of the addition of vegetal fibres on the behaviour of earthen materials subjected to high temperatures”

**12:00 – 13:30:** Lunch at Teknikens Hus in LTU campus



## Day 2: Luleå University of Technology, May 28th 2024

**13:30 – 14:00: Dr. Simon Jonasson (RISE)** “Coating and barrier applications of fibrous packaging materials using polyhydroxyalkanoate dispersions”

**14:00 – 14:30: Dr. Franck Gyppez (Nexans)** “Fire Safety: Exploring Geopolymer with Hybrid Bio-Based Composites”

**14:30 – 15:00: Ms. Farida Yasmine (Camfil)** “Carbons in filtration applications”

**15:00 – 15:30:** Fika

**15:30 – 16:00: Dr. Vincent Rennie (École des Arts Décoratifs, Paris)** “Paper waste grown as a biocalcified foam: a lightweight and flame-retardant biocomposite”

**16:00 – 16:30: Dr. Shima Holder (Uponor)** “Product Sustainability in the piping industry”

**16:30 – 17:00:** Conclusions and perspectives by, **Oisik Das (LTU)**, **Henri Vahabi (UL)**, and **Valérie Lemarquand (French Embassy)**

The conference is free and all presentations will be in English.

Any questions on the event? Contact us:

- French Institut in Sweden - Embassy of France in Sweden ([science@ifsuede.com](mailto:science@ifsuede.com))
- Luleå University of Technology ([oisik.das@ltu.se](mailto:oisik.das@ltu.se))