



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 Johansson**, 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)
- Luleå University of Technology (oisik.das@ltu.se)