

**BRITE Workshop**

January 25th, 2024

“Salle bleue”, ATM Lab

Ground floor Building L
Solbosch Campus, ULB

***09.00-09.20:* Welcome and coffee**

***09.20-10.40:* Oral presentations (part 1)**

Olivier Gilmont and Guangxuan Wang

“Multi-criteria, optimal design of energy systems for Positive Energy Districts, including reduced comfort scenarios”

Stanislav Chicherin

“Robust design of 5th generation district heating and cooling (5GDHC) systems with seasonal thermal energy storage via GIS assessment”

Afraz Mehmood

“Robust design analysis of 5th generation district heating and cooling systems”

Arnaud Rouanet

“Impact of steam and oxygen injection on two-stage downdraft wood gasification”

***10.40-11.20:* Coffee break and discussions**

***11.20-12.20:* Oral presentations (part 2)**

Georgios Rekkas Ventiris

“Nanosecond pulsed plasma-assisted MILD combustion of ammonia”

Jordi Cornette

“Hydrogen-powered district heating in Brussels”

Diana Martins

“Investigating thermomechanical behaviour of woven thermal protection material for aerospace applications”

***12.20-14.00:* Walking lunch, discussions, and poster session**

Emanuele Bombardi

“Practical Examination of ABL Conditions for Effective RANS CFD Modeling”

Florian Fettweis

“Measuring micro-sized leakage channel flow in macro-sized machines”

Chiara Novelli

“Continuously-staged NH3 oxidation for low-NOx emissions”

Alessandro Piscopo and Mehdi Riis

“PaSR supersonic combustion”

Vincenzo Romano

“Hypersonic laminar-to-turbulent transition by stochastic methods”

Karel Van den Borre

“Design and optimisation of variable cycle engines with reduced order pollutant estimations”